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MONTHLY REVIEW

HIGHLIGHTS

As of November 1981, the U.S. man-made fiber industry had the capacity to produce 12,175 million pounds of fiber. This divides as: cellulosic 898 million pounds; non-cellulosic 9,716 million pounds and textile glass fiber 1,561 million pounds.

By November 1983, cellulosic capacity is projected to be 895 million pounds, non-cellulosic fiber 10,123 million pounds and textile glass fiber 1,618 million pounds for a total of 12,636 million pounds and an annual growth rate of 1.9%.

NOVEMBER SHIPMENTS OFF 3½%

Shipments of non-cellulosic fibers (except saran and spandex) totaled 585.9 million pounds during November, a decline of 3½% from October deliveries of 607.9 million pounds. November shipments of non-cellulosic yarn+monofilaments (except saran and spandex) were 279.0 million pounds, a decline of 2½% from October deliveries of 286.2 million pounds. For non-cellulosic staple+tow, November shipments fell 4½% from October levels to 306.9 milllion pounds.

However, for the first eleven months of 1981, non-cellulosic fiber shipments (except saran and spandex) totaled 7,312.5 million pounds, an increase of 1% over the 7,234.3 million pounds delivered during January-November 1980. Year-to-date shipments of non-cellulosic yarn+monofilaments (except saran and spandex) totaled 3,483.2 million pounds, ½% above the 3,465.8 million pounds shipped during the corresponding 1980 period. January-November deliveries of non-cellulosic staple+tow totaled 3,829.3 million pounds, a 1½% increase over the corresponding period a year ago.

November shipments of nylon carpet yarn and nylon staple (predominantly carpet) were at their lowest levels since March 1975.

NOVEMBER AND OCTOBER SHIPMENTS COMPARED

Following is a comparison of total November shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with October (million pounds), and the percentage change, respectively: nylon industrial yarn 33.4 & 31.8 & +5%; low denier industrial 2.7 & 2.7 & no change; carpet 39.4 & 40.7 & −3%; textile 32.5 & 33.0 & −1½%; polyester industrial yarn 26.2 & 27.1 & −3½%; low denier industrial 2.2 & 2.4 & −8½%; textile 91.6 & 98.4 & −7%; olefin 51.0 & 50.1 & +2% and the total of these fibers 279.0 & 286.2 & −2½%.

For non-cellulosic staple+tow, the corresponding data are: nylon 40.9 & 41.8 & −2%; acrylic+modacrylic 49.8 & 53.3 & −6½%; polyester 206.2 & 214.4 & −4%, olefin+vinyon 10.0 & 12.2 & −18% and the total 306.9 & 321.7 & −4½%.

CELLULOSIC SHIPMENTS DOWN 7%

November shipments of acetate yarn+monofilaments and rayon staple+tow totaled 54.2 million pounds, a decrease of 7% from the 58.2 million pounds delivered during October. For the first eleven months of 1981, shipments totaled 669.2 million pounds, 4% below the 698.8 million pounds delivered during the corresponding 1980 period.

Acetate yarn+monofilament deliveries during November totaled 17.6 million pounds, their low for the year and 9½% below October shipments of 19.5 million pounds. For the first eleven months of 1981, shipments totaled 245.1 million pounds, 13% below the 280.5 million pounds shipped during the corresponding period of 1980.

November deliveries of rayon staple+tow totaled 36.6 million pounds, a decrease of 5½% from October shipments of 38.7 million pounds. However, January-November 1981 shipments of 424.1 million pounds were 1½% above the 418.3 million pounds delivered during the corresponding 1980 period.

COTTON CONSUMPTION SLUMPS IN NOVEMBER

Preliminary figures from the Census Bureau put mill consumption of cotton at 202.9 million pounds for November, 18% less than the 246.7 million pounds mills consumed in October. Moreover, for the first eleven months of 1981, mill consumption of cotton totaled 2,529.3 million pounds, an 11% decrease from consumption during the corresponding 1980 period.

Further, TEB estimates that for 1981, mill consumption of cotton will total some 2,750 million pounds, the lowest level since 1935 when some 2,755 million pounds of cotton were consumed.

THE WOOL SITUATION

Our annual review of the world and the U.S. wool situation is presented in the following article and tables. Unless otherwise indicated, all data are on a seasonal basis. In the Northern Hemisphere countries, the season coincides with the calendar year. In the South American countries, the season runs from October first through September thirtieth, while in other Southern Hemisphere countries, e.g., Australia, South Africa and New Zealand, the season extends from July first through June thirtieth. Seasonal data are identified by the first year of the season concerned, e.g., the Australian season running from July first, 1980, to June thirtieth, 1981, is referred to as 1980.

WORLD WOOL PRODUCTION

From reports of The Commonwealth Secretariat (London), it is estimated that world wool production during the 1981 season (1981-1982) will total 6,307 million pounds (greasy basis), or some 42 million pounds more than the previous season.

The table on page 211 opposite shows the annual production of raw wool (on a greasy basis) in the principal wool-growing countries of the world from 1965 through the current season. In addition, certain 5 year averages are also shown.

Australia remains the largest producer of wool with some 25% of the world total. 1981 production is expected to remain unchanged at 1,545 million pounds (greasy basis). The second largest producer of wool is the U.S.S.R. (see text table following) with 1,005 million pounds (greasy basis), a decline of 1½% from the previous season. New Zealand is the third largest wool producing country with 849 million pounds (greasy basis) predicted for the 1981 season.

These three countries together represent some 54% of the world wool production. Including the rest of Eastern

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Textile Organon

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WORLD RAW WOOL PRODUCTION BY THE PRINCIPAL PRODUCING COUNTRIES[a]

MILLION POUNDS, GREASY BASIS & *percent*

YEAR[b]	AUSTRALIA		NEW ZEALAND		SOUTH AFRICA[c]		ARGENTINA		URUGUAY		UNITED STATES		UNITED KINGDOM		TURKEY		E. EUROPE & CHINA[d]		ALL OTHERS[e]		WORLD TOTAL	
	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%
1935-39[f]	1,018	*26.3*	309	*8.0*	263	*6.8*	377	*9.8*	118	*3.1*	439	*11.4*	111	*2.9*	60	*1.5*	293	*7.6*	875	*22.6*	3,865	*100*
1940-44[f]	1,129	*27.4*	344	*8.3*	254	*6.2*	500	*12.1*	137	*3.3*	462	*11.2*	102	*2.5*	68	*1.7*	300	*7.4*	821	*19.9*	4,123	*100*
1945-49[f]	1,023	*26.9*	370	*9.7*	222	*5.8*	452	*11.9*	161	*4.2*	332	*8.7*	85	*2.2*	71	*1.9*	410	*10.8*	684	*17.9*	3,810	*100*
1950-54[f]	1,202	*27.6*	419	*9.6*	272	*6.3*	401	*9.2*	193	*4.4*	289	*6.6*	96	*2.2*	76	*1.7*	667	*15.3*	745	*17.1*	4,360	*100*
1955-59[f]	1,537	*29.5*	513	*9.8*	313	*6.0*	406	*7.8*	184	*3.5*	305	*5.9*	113	*2.2*	90	*1.7*	945	*18.2*	800	*15.4*	5,206	*100*
1960-64[f]	1,713	*30.2*	607	*10.7*	304	*5.4*	413	*7.3*	187	*3.3*	295	*5.2*	127	*2.2*	98	*1.7*	1,132	*20.0*	796	*14.0*	5,672	*100*
1965-69[f]	1,836	*30.7*	717	*12.0*	310	*5.2*	454	*7.6*	181	*3.0*	222	*3.7*	123	*2.1*	100	*1.7*	1,210	*20.3*	817	*13.7*	5,976	*100*
1970-74[f]	1,764	*30.6*	681	*11.8*	246	*4.2*	410	*7.1*	138	*2.4*	169	*2.9*	106	*1.8*	110	*1.9*	1,339	*23.2*	813	*14.1*	5,776	*100*
1975-79[f]	1,567	*26.5*	707	*12.0*	230	*3.9*	385	*6.5*	145	*2.5*	113	*1.9*	106	*1.8*	122	*2.1*	1,549	*26.3*	975	*16.5*	5,899	*100*
1965	1,663	*29.0*	695	*12.1*	329	*5.7*	430	*7.5*	183	*3.2*	241	*4.2*	129	*2.3*	95	*1.7*	1,138	*19.9*	826	*14.4*	5,720	*100*
1966	1,762	*30.1*	709	*12.1*	292	*5.0*	441	*7.5*	178	*3.0*	236	*4.0*	132	*2.3*	97	*1.7*	1,178	*20.1*	828	*14.2*	5,853	*100*
1967	1,770	*29.5*	728	*12.2*	304	*5.1*	494	*8.2*	185	*3.1*	227	*3.8*	128	*2.1*	101	*1.7*	1,239	*20.7*	818	*13.6*	5,994	*100*
1968	1,949	*31.6*	732	*11.9*	313	*5.1*	461	*7.5*	181	*2.9*	211	*3.4*	119	*1.9*	106	*1.7*	1,292	*20.9*	811	*13.1*	6,175	*100*
1969	2,035	*33.2*	723	*11.8*	310	*5.0*	445	*7.3*	176	*2.9*	194	*3.2*	106	*1.7*	103	*1.7*	1,235	*20.1*	804	*13.1*	6,131	*100*
1970	1,964	*32.2*	736	*12.1*	271	*4.4*	441	*7.2*	172	*2.8*	187	*3.1*	101	*1.7*	104	*1.7*	1,303	*21.3*	828	*13.5*	6,107	*100*
1971	1,941	*32.5*	710	*11.9*	258	*4.3*	417	*7.0*	119	*2.0*	181	*3.0*	104	*1.7*	106	*1.8*	1,327	*22.2*	809	*13.6*	5,972	*100*
1972	1,620	*29.1*	681	*12.2*	236	*4.2*	390	*7.0*	132	*2.4*	176	*3.2*	106	*1.9*	110	*2.0*	1,310	*23.6*	799	*14.4*	5,560	*100*
1973	1,545	*28.2*	628	*11.5*	231	*4.2*	397	*7.3*	132	*2.4*	150	*2.7*	108	*2.0*	115	*2.1*	1,343	*24.5*	816	*14.9*	5,474	*100*
1974	1,748	*30.3*	648	*11.2*	238	*4.1*	406	*7.0*	141	*2.5*	145	*2.5*	110	*1.9*	115	*2.0*	1,413	*24.5*	809	*14.0*	5,771	*100*
1975	1,662	*28.8*	688	*11.9*	238	*4.1*	414	*7.2*	152	*2.6*	128	*2.2*	108	*1.9*	117	*2.0*	1,430	*24.8*	837	*14.5*	5,774	*100*
1976	1,550	*27.0*	668	*11.7*	227	*4.0*	388	*6.8*	141	*2.5*	117	*2.0*	106	*1.8*	119	*2.1*	1,435	*25.0*	984	*17.1*	5,734	*100*
1977	1,493	*25.6*	686	*11.8*	234	*4.0*	370	*6.5*	137	*2.3*	112	*1.9*	101	*1.7*	121	*2.1*	1,583	*27.1*	992	*17.0*	5,838	*100*
1978	1,556	*26.0*	708	*11.8*	225	*3.8*	377	*6.3*	139	*2.3*	104	*1.7*	108	*1.8*	126	*2.1*	1,620	*27.1*	1,020	*17.1*	5,983	*100*
1979	1,572	*25.5*	787	*12.8*	227	*3.7*	366	*5.9*	154	*2.5*	106	*1.7*	106	*1.7*	126	*2.1*	1,678	*27.2*	1,042	*16.9*	6,164	*100*
1980	1,545	*24.7*	840	*13.4*	231	*3.7*	359	*5.7*	163	*2.6*	106	*1.7*	112	*1.8*	126	*2.0*	1,713	*27.3*	1,070	*17.1*	6,265	*100*
1981[g]	1,545	*24.5*	849	*13.5*	231	*3.7*	366	*5.8*	179	*2.8*	110	*1.7*	110	*1.7*	128	*2.0*	1,713	*27.2*	1,076	*17.1*	6,307	*100*

SOURCE: The Commonwealth Secretariat (London)

[a] Apparel plus carpet class shorn wool, as well as pulled wool and wool on skins mostly at the shorn equivalent.

[b] Calendar years for Northern Hemisphere nations, season beginning July first or October first for Southern Hemisphere countries. See text page 210.

[c] Excludes Lesotho and South West Africa.

[d] Includes U.S.S.R. & Romania only in 1945 and prior years. For 1946 forward Albania, Bulgaria, People's Republic of China, Czechoslovakia, East Germany, Hungary, Outer Mongolia & Tibet, Poland and Yugoslavia are also included.

[e] Also includes China and Eastern European countries, except U.S.S.R. & Romania, in 1945 and prior years.

[f] Five year averages.

[g] Preliminary estimates.

Europe and the People's Republic of China brings this percentage up to 65% of the world wool output. In 1935-39 these countries accounted for only 42% of the world total. Eastern Europe and the People's Republic of China in particular have greatly expanded their share of world production, going from less than 8% in the 1935-39 period to 27% today. The increase in New Zealand's share has been significant, but not as impressive as that of Eastern Europe and the People's Republic of China. Australia, still the largest producing country, has maintained its share over the period. The most dramatic drop in share has occurred in the United States, which at one time accounted for better than 11% of the total, but is now down to 2%.

World production data on cotton, wool (scoured basis) and the man-made fibers (except olefin and textile glass fiber) for 1974 through 1980 were presented on page 81 of the June ***Organon*** issue. Changes in that table for cotton are indicated in the page 165 table of the October ***Organon***. During the 1980 season, world wool production represented 5½% of the 3-fiber total, with cotton being 47½% and the man-made fibers 47%.

EASTERN EUROPE & PEOPLE'S REPUBLIC OF CHINA DETAIL

	U.S.S.R.	PEOPLE'S REPUBLIC OF CHINA	OTHER EAST EUROPE
1977	1012	291	280
1978	1030	300	290
1979	1041	337	300
1980	1019	388	306
1981*	1005	397	311

* estimated

U.S. WOOL PRODUCTION

It is estimated that U.S. wool production in 1981 will be about 110 million pounds (greasy basis), up 4% from the 106 million pounds produced in the past two years.

Of this year's total, shorn wool output is placed at about 108.5 million pounds, the largest since 1977. The yield per fleece in 1981 was 8.13 pounds (greasy basis) as compared with 7.96 pounds per fleece in 1980. The balance of 1.5 million pounds this year will be pulled wool. All domestic production is apparel class. The recent stabilization in U.S. wool output results from a halt to the long-term decline in the sheep population in this coun

DISAPPEARANCE OF WOOL IN THE U.S.[a]

MILLION POUNDS, SCOURED BASIS

ITEM	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981[b]
MILL CONSUMPTION OF WOOL														
APPAREL CLASS: DOMESTIC	157.3	167.7	120.0	101.5	148.7	121.1	86.1	90.5	92.3	87.0	81.2	82.1	77.4	65.0
FOREIGN	129.7	93.5	76.7	42.7	21.8	19.6	11.8	25.6	38.4	34.2	47.3	42.4	47.3	76.0
TOTAL APPAREL CLASS	287.0	261.2	196.7	144.2	170.5	140.7	97.9	116.1	130.7	121.2	128.5	124.5	124.7	141.0
CARPET CLASS: FOREIGN	91.3	93.7	76.6	75.1	76.4	41.4	18.6	15.9	15.2	12.7	13.1	9.9	9.2	9.0
SUBTOTAL ABOVE[c]	**378.3**	**354.9**	**273.3**	**219.3**	**246.9**	**182.1**	**116.5**	**132.0**	**145.9**	**133.9**	**141.6**	**134.4**	**133.9**	**150.0**
CONSUMED ON THE COTTON SYSTEM[d]	5.0	4.3	4.4	3.1	2.0	1.5	1.0	0.8	3.0	4.1	3.0	2.5	3.8	3.0
TOTAL RAW WOOL	**383.3**	**359.2**	**277.7**	**222.4**	**248.9**	**183.6**	**117.5**	**132.8**	**148.9**	**138.0**	**144.6**	**136.9**	**137.7**	**153.0**
REPROCESSED: CARPET	5.8	5.4	4.5	2.6	2.8	1.7	0.8	0.7						
OTHER	24.1	28.2	24.8	19.5	17.0	15.8	15.9	14.1	14.8	16.7	16.8	17.0	10.5	10.0
REUSED: OTHER	3.7	3.1	3.9	2.6	2.6	2.3	1.9							
TOTAL ABOVE	**416.9**	**395.9**	**308.9**	**247.1**	**271.3**	**203.4**	**136.1**	**147.6**	**163.7**	**154.7**	**161.4**	**153.9**	**148.2**	**163.0**
WOOL CONTENT OF IMPORTS														
TOPS[e]	6.6	4.5	4.4	2.7	0.4	0.3	0.5	0.3	0.4	0.9	0.6	0.4	0.3	0.2
YARNS	10.9	8.6	8.1	7.7	6.3	4.9	5.4	4.1	5.4	5.8	5.5	3.8	3.9	4.1
CARPETS & RUGS	9.3	9.2	7.8	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	17.9
WOVEN FABRICS[f]	33.6	30.2	24.9	12.4	9.5	12.9	9.6	8.8	12.6	19.1	26.4	22.2	21.5	32.8
KNIT APPAREL	32.9	30.6	25.2	21.3	20.0	15.0	12.7	12.2	18.9	25.8	22.3	19.1	24.4	25.4
OTHER APPAREL	8.5	10.9	12.9	9.9	11.2	12.4	11.2	10.7	14.1	18.3	22.6	20.1	17.3	18.0
OTHER MANUFACTURES[g]	2.5	2.2	2.0	3.0	3.3	2.2	1.4	1.1	1.2	1.2	0.9	1.1	0.8	0.8
TOTAL IMPORTS[h]	**104.3**	**96.2**	**85.9**	**66.2**	**63.0**	**61.3**	**53.3**	**48.6**	**66.7**	**85.9**	**92.2**	**80.6**	**85.1**	**97.2**
WOOL CONTENT OF EXPORTS														
CARPET	0.8	1.0	0.9	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2
OTHER	4.9	4.2	4.0	8.2	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	12.2
TOTAL EXPORTS[h]	**5.7**	**5.2**	**4.9**	**9.4**	**30.6**	**30.8**	**23.0**	**19.2**	**13.9**	**11.5**	**11.6**	**14.0**	**23.8**	**12.4**
NET IMPORTS	**98.6**	**91.0**	**81.0**	**56.8**	**32.4**	**30.5**	**30.3**	**29.4**	**52.8**	**74.4**	**80.6**	**66.6**	**61.3**	**84.8**
TOTAL DISAPPEARANCE	**515.5**	**486.9**	**389.9**	**303.9**	**303.7**	**233.9**	**166.4**	**177.0**	**216.5**	**229.1**	**242.0**	**220.5**	**209.5**	**247.8**
DISAPPEARANCE IN CARPETS & RUGS														
CARPET WOOL CONSUMPTION	97.1	99.1	80.1	77.7	79.2	43.1	19.4	16.6	15.5	12.8	13.2	10.9	10.4	10.0
IMPORTS OF CARPETS	9.3	9.2	7.8	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	17.9
EXPORTS OF CARPETS	0.8	1.0	0.9	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2
TOTAL	**105.6**	**107.3**	**87.0**	**85.7**	**90.4**	**54.8**	**29.4**	**26.1**	**27.3**	**25.6**	**26.4**	**24.5**	**27.0**	**27.7**
% Imports of Total	*9*	*8%*	*9*	*10%*	*13%*	*25*	*42%*	*43%*	*51%*	*58*	*52%*	*56%*	*62%*	*64%*
DISAPPEARANCE IN ALL OTHER PRODUCTS														
OTHER WOOL CONSUMPTION	319.8	296.8	228.8	169.4	192.1	160.3	116.7	131.0	148.2	141.9	148.2	143.0	137.8	153.0
IMPORTS	95.0	87.0	78.1	57.0	50.7	47.7	40.8	37.2	52.6	71.1	78.3	66.7	68.2	79.3
EXPORTS	4.9	4.2	4.0	8.2	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	12.2
TOTAL	**409.9**	**379.6**	**302.9**	**218.2**	**213.3**	**179.1**	**137.0**	**150.9**	**189.2**	**203.5**	**215.6**	**196.0**	**182.5**	**220.1**
% Imports of Total	*23*	*23*	*26*	*26*	*24*	*26%*	*30*	*24%*	*28*	*35*	*36%*	*34*	*37%*	*36*

a. Calendar years.

b. Estimates based on 9 months' data for mill consumption, imports and exports.

c. Agrees with ***Organon's*** Selected Monthly Data Table.

d. Raw wool consumed on the cotton spinning system.

e. Tops includes advanced wool.

f. Includes pile fabrics & manufactures, blankets, tapestry & upholstery, press & billiard cloths, car robes, etc.

g. Includes knit fabrics in the piece and miscellaneous manufactures not elsewhere specified.

h. March ***Organon*** page 37 or as revised later.

try. Thus the 1981 shearing is expected to total about 13½ million head, or some 4% above the 13 million head shorn in 1980.

The 1981 U.S. lamb crop is estimated at nearly 9 million head, 8% larger than the preceding year's 8¼ million and 11% more than 1979. The 1981 lambing rate per 100 ewes one year old and older on hand January first was 101 compared with 97 in 1980 and 95 in 1979.

U.S. DISAPPEARANCE

The first section of the table above shows that the 1980 U.S. mill consumption of apparel-class wool totaled 124.7 million pounds, up slightly from the 1979 figure of 124.5 million pounds. Mill consumption of carpet-class wool in 1980 was 9.2 million pounds, down 7% from 1979. For 1981, on the basis of nine months' actual figures, it is estimated that U.S. consumption of apparel wool will be about 141.0 million pounds, 13% more than 1980. Consumption of carpet wool this year is estimated at 9.0 million pounds, 9% less than 1979.

In 1980, consumption of all types of wool totaled 148.2 million pounds, 3½% below the 1979 consumption figure of 153.9 million pounds. For 1981, total wool consumption is expected to increase 6% to 163.0 million pounds. These consumption data cover mill consumption of shorn, pulled and other wool of the sheep on the woolen spinning system as well as the production of worsted tops. Additional but small quantities of wool are consumed on the cotton system. Finally, there is a fairly substantial amount of reprocessed and reused wool used; most of this goes into noncarpet applications.

The second and third sections of the page 212 table show the wool content of U.S. imports and exports of semimanufactured and manufactured products. The line labeled "Total Disappearance" is derived as mill consumption plus imports and less exports of semimanufactures and manufactures.

The United States remains a net importer of wool and wool products, with a 1980 net import figure of 61.3 million pounds for manufactured and semimanufactured products. For 1981, the net import balance of these products is projected to be 84.8 million pounds, the largest since 1968. Expressed in terms of share of the total disappearance, net imports in 1980 were 29½%, down slightly from 30% last year. For further details of U.S. foreign trade in wool and wool products, see pages 36-37 of the March 1981 ***Organon*** issue.

U.S. WOOL PRICES

The current price of domestic fine graded territory wool for 62s is $2.63 per pound. This compares with $2.43 per pound a year ago and $2.15 per pound in 1979. Currently, Australian 62s are $3.02 per pound compared with $3.00 per pound a year ago and $2.83 per pound in 1979.

WOOL SUPPORT PROGRAMS

A government wool price support program, in the form of incentive payments to sheep raisers, has been in effect since April 1955. The original purpose of this program was to encourage an annual shorn wool production of up to 300 million pounds. Authorized by the National Wool Act of 1954, this program guarantees wool growers a minimum price at which they can sell their shorn wool.

The Agriculture and Consumer Protection Act of 1973 extended through December 31, 1977, the Federal support program for wool and mohair. In 1978, President Carter signed into law the National Wool Act as part of the Food and Agriculture Act of 1977, extending the support program through 1981.

For 1981, the support price for shorn wool was set at $1.35 per pound, up from $1.23 per pound in 1980 and $1.15 per pound in 1979.

MOHAIR SITUATION

U.S. production of mohair for 1980 was reported to be 8.8 million pounds (greasy basis), down 5½% from the previous year. The number of goats clipped was about 1¼ million, 35,000 less than 1979 and the mohair yield was 7.1 pounds per goat. In 1980, the average farm price was $3.50 per pound, down from $5.10 per pound in 1979. Incentive payments on mohair sold in 1980 will not be made because the average farm price was above the announced support level of $2.90 per pound.

The spring 1981 U.S. mohair clip was estimated at 4.5 million pounds (greasy basis) with a carryover of 1 million pounds. At the end of the spring season in June, about 2 million pounds of mohair were on hand. Adult mohair was quoted at $3.00 to $3.10 per pound.

U.S. MAN-MADE FIBER PRODUCING CAPACITY

Last month, the U.S. man-made fiber producing industry had the capacity to produce 12,175 million pounds of fiber per year. This was an increase of 1% over the capacity in place one year ago. Over the 5-year period 1976-1981 total capacity has grown at an annual rate of 1.7%. Production has grown at an annual rate of 4.0% over this period, thus bringing the average utilization rate of the man-made fiber industry to a projected 82% in 1981 from 75% in 1976.

By November 1983 total man-made fiber producing capacity is expected to grow at an annual rate of 1.9% to 12,636 million pounds annually. Non-cellulosic fiber capacity is expected to increase by 2.1% annually over this 2-year span, while textile glass fiber is expected to grow 1.8% annually. Cellulosic fiber capacity is expected to decrease by 3 million pounds. The table below shows the actual growth rates for both production and capacity over the 5-year span 1976-1981 and the ***projected*** growth rate for capacities over the 2-year period 1981-1983.

ANNUAL GROWTH RATES

	Actual 1976-1981		Projected 1981-1983
	Production	Capacity	Capacity
MAN-MADE	%	%	%
FIBER TOTAL	4.0	1.7	1.9
NON-CELLULOSIC			
TOTAL	4.1	1.2	2.1
YARN	3.3	0.5	1.7
STAPLE	4.9	3.1	2.4
CELLULOSIC			
TOTAL	1.7	5.5	0.2
YARN	2.8	4.5	0.5
STAPLE	0.7	6.2	0.1
TEXTILE GLASS			
FIBER	9.2	11.8	1.8

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the page 214 table cover the man-made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded

U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	RAYON & ACETATE								NON-CELLULOSIC FIBERS[a]			TEXTILE GLASS TOTAL[c]	GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*Den*	TOTAL	RAYON	ACETATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL		YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	868	4968	4598	9566
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	53	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	53	827	747	40	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	53	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	53	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	53	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	53	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	53	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	57	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	57	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	61	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	55	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	59	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
MAY 1982[f]	58	322	60	380	510	5	515	895	4817	4976	9793	1581	6778	5491	12269
NOV 1982[f]	58	322	60	380	510	5	515	895	4866	5041	9907	1601	6847	5556	12403
MAY 1983[f]	58	322	60	380	510	5	515	895	4915	5100	10015	1613	6908	5615	12523
NOV 1983[f]	58	322	60	380	510	5	515	895	4933	5190	10123	1618	6931	5705	12636

a. The non-cellulosic fibers included are those listed in the September *Organon* issues each year. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. The acetate production and producing capacity data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of November 1981.

and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn & strand, staple yarn & sliver, roving & cake, chopped & milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is ***not*** included in the survey data.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to current and planned capacity. ***They are not to be misinterpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is projected to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect potential, rather than operating, capacity.

CELLULOSIC FIBER CAPACITY

Cellulosic fiber capacity is expected to change very little over the next two years. Current capacity of 898 million pounds is projected to decline 3 million pounds by November 1983. Rayon capacity, currently 561 million pounds, is due to reach 568 million pounds by November 1983, whereas acetate capacity is expected to decline 10 million pounds over the next two years to 327 million pounds.

The chart on page 215 following shows the average utilization rate for cellulosic yarn, staple and total for the period 1976-1981. The 1981 figures are preliminary estimates. Utilization rates for the cellulosic fibers rose from 69% in 1976 to a projected 85% in 1981.

NON-CELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]										
PERIOD	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]	OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD ACRYL	POLY ESTER	OLEFIN + VINYON	TOTAL	
NOV 1970[d]	480	428	569	NA	294	510	NA	110	119	106	18	2340	280	659	1370	113	2422	4762
NOV 1971[d]	403	541	522	NA	447	550	NA	89	163	113	19	2796	400	608	1355	107	2620	5416
NOV 1972[d]	469	626	550	NA	504	892	NA	96	177	159	20	3302	602	754	1571	107	3034	6336
NOV 1973[d]	490	707	554	NA	385	1118	NA	100	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	NA	403	1351	NA	125	254	223	16	4175	757	821	1800	104	3584	7759
NOV 1975[d]	503	780	554	NA	391	1576	NA	108	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*54*	445	1645	*116*	174	347	394	16	5000	1024	865	2554	120	4571	9571
NOV 1979[d]	513	950	579	*51*	445	1699	*114*	172	342	408	20	5120	1020	859	2673	140	4678	9798
NOV 1980[d]	515	910	551	*52*	400	1657	*113*	120	350	430	20	4955	991	850	2750	134	4714	9669
NOV 1981[d]	514	893	553	*40*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
MAY 1982[e]	514	936	540	*40*	333	1465	*112*	197	357	455	20	4817	998	844	2851	283	4976	9793
NOV 1982[e]	528	948	540	*40*	333	1465	*112*	197	360	460	20	4866	1043	849	2866	283	5041	9907
MAY 1983[e]	531	955	550	*40*	336	1477	*113*	205	373	470	20	4915	1068	851	2886	295	5100	10015
NOV 1983[e]	542	960	554	*40*	339	1477	*113*	205	378	470	20	4935	1073	851	2971	295	5190	10123

IND means industrial yarn and monofil, i.e., 500 denier & coarser with an Instron tenacity of 7 grams per denier or more. **CARP** means bulked continuous filament yarn for carpets. **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

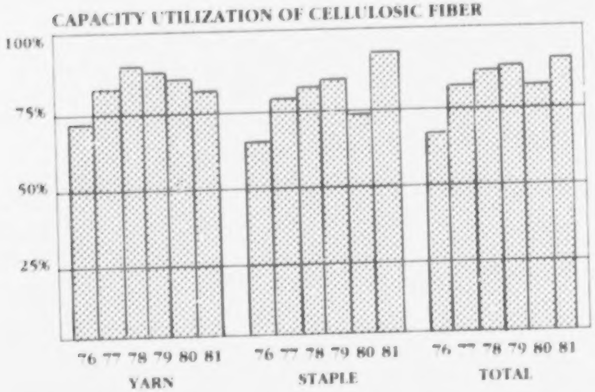
b. Olefin monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

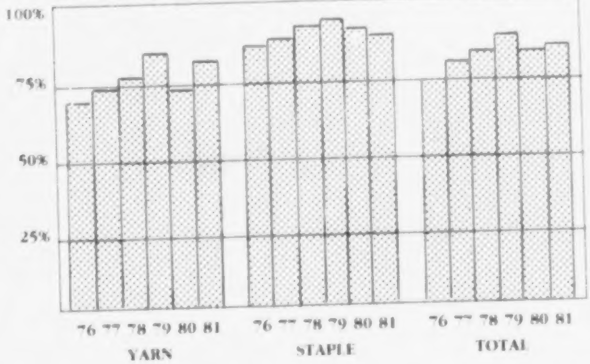
d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of November 1981.

CAPACITY UTILIZATION OF CELLULOSIC FIBER



CAPACITY UTILIZATION OF NON-CELLULOSIC FIBER



NON-CELLULOSIC FIBER CAPACITY

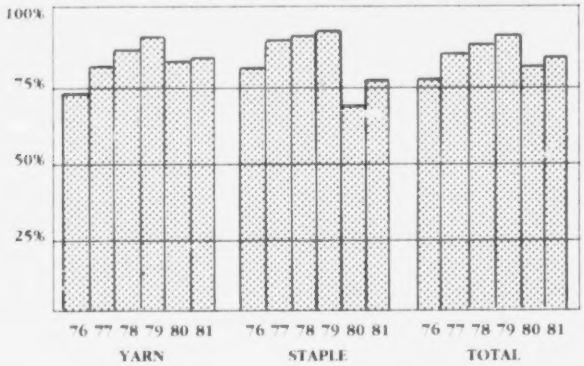
Non-cellulosic fiber capacity is slated for an increase of 467 million pounds over the next two years, or a 2.1% annual growth rate. The chart opposite details the utilization rate for non-cellulosic fibers for the 5-year period 1976-1981.

Nylon fiber capacity is expected to grow at an annual rate of 2.5% from November 1981 to November 1983. By November 1983 nylon capacity is expected to total 3,119 million pounds, up from 2,970 million pounds currently. Nylon yarn is projected to grow at a 2.2% annual rate, reaching 2,046 million pounds by November 1983 and nylon staple is expected to reach 1,073 million pounds two years hence.

Over the past five years, nylon production has grown at a 2.8% annual rate, whereas capacity has grown at a 1.4% annual rate. Thus, the current utilization rate for the nylon industry is projected to be 80% in 1981 as compared with 76% in 1976.

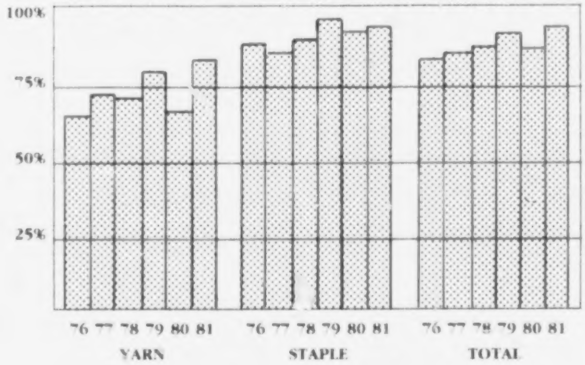
At present, nylon 6 represents 30% of total nylon yarn capacity, while for staple the corresponding figure is 39% for a average nylon 6 share of 33%.

Polyester capacity is projected to be 4,787 million pounds by November 1983, a growth rate of 1.6% annually. Current polyester capacity, at 4,636 million pounds, is 3½% less than the 4,796 million pounds in place as of November 1980. Polyester yarn, with a current capacity of 1,797 million pounds, is projected to grow at an annual rate of 0.5% to a total of 1,816 million pounds and polyester staple capacity is scheduled to


CAPACITY UTILIZATION OF NYLON

grow at an annual rate of 2.3% from 2,839 million pounds currently to 2,971 million pounds by November 1983.

During the 1976 1981 period, production has grown at a 4.6% annual rate while capacity has grown at a 0.6% annual rate. Thus the projected 1981 polyester utilization rate is projected to be 90% compared with 79% in 1976. The chart below details utilization rates for the 1976 1981 period.


CAPACITY UTILIZATION OF POLYESTER

Due to plant closures over this 5-year period, polyester yarn capacity actually declined at a 3.5% annual rate, thus raising the average utilization rate for polyester yarn from 68% in 1976 to a projected 84% in 1981.

Olefin capacity, as of November, stood at 1,255 million pounds, 21% above year-ago levels. By November 1983, capacity is expected to reach 1,346 million pounds, an annual growth rate of 3.6%. Of the 1983 olefin total, yarn+monofilaments+film fiber+spunbonded will account for 1,051 million pounds, with the other 295 million pounds being staple+tow. Olefin staple also includes a small amount of vinyon staple.

Olefin capacity utilization for 1981 is estimated to be 68%, up from 60% in 1976. Over this 5 year period, olefin yarn utilization increased from 62% in 1976 to a projected 68% in 1981 and olefin staple from a 51% rate in 1976 to an estimated 70% rate in the current year.

TEXTILE GLASS CAPACITY

Current industry capacity is put at 1,561 million pounds, an increase of 6% over last year. By November 1983, industry capacity is projected to reach 1,618 million pounds, an annual growth rate of 1.8% per year. During the 5-year period 1976 1981, production grew at a 9.2% annual rate while capacity grew at an 11.8% annual rate. Thus capacity utilization fell from 75% in 1976 to an estimated 69% in 1981.

AVERAGE DENIER

In polyester textile yarn, the trend towards finer deniers has leveled off in recent years. In May 1976, when average denier data were first collected, the average was 139. Thereafter, it declined to 133 in November 1976, to 126 in November 1977, to 116 in November 1978, to 114 in November 1979, to 113 in November 1980 and increasing to 114 in November of this year. By November 1983, the average denier is projected to be 113.

In nylon textile yarn, the trend towards finer deniers has occurred at a slower pace. In May 1976, the average denier was 54 and had declined to 52 by November 1980. As of November 1981, the average denier stood at 49 and is expected to remain at 49 through November 1983.

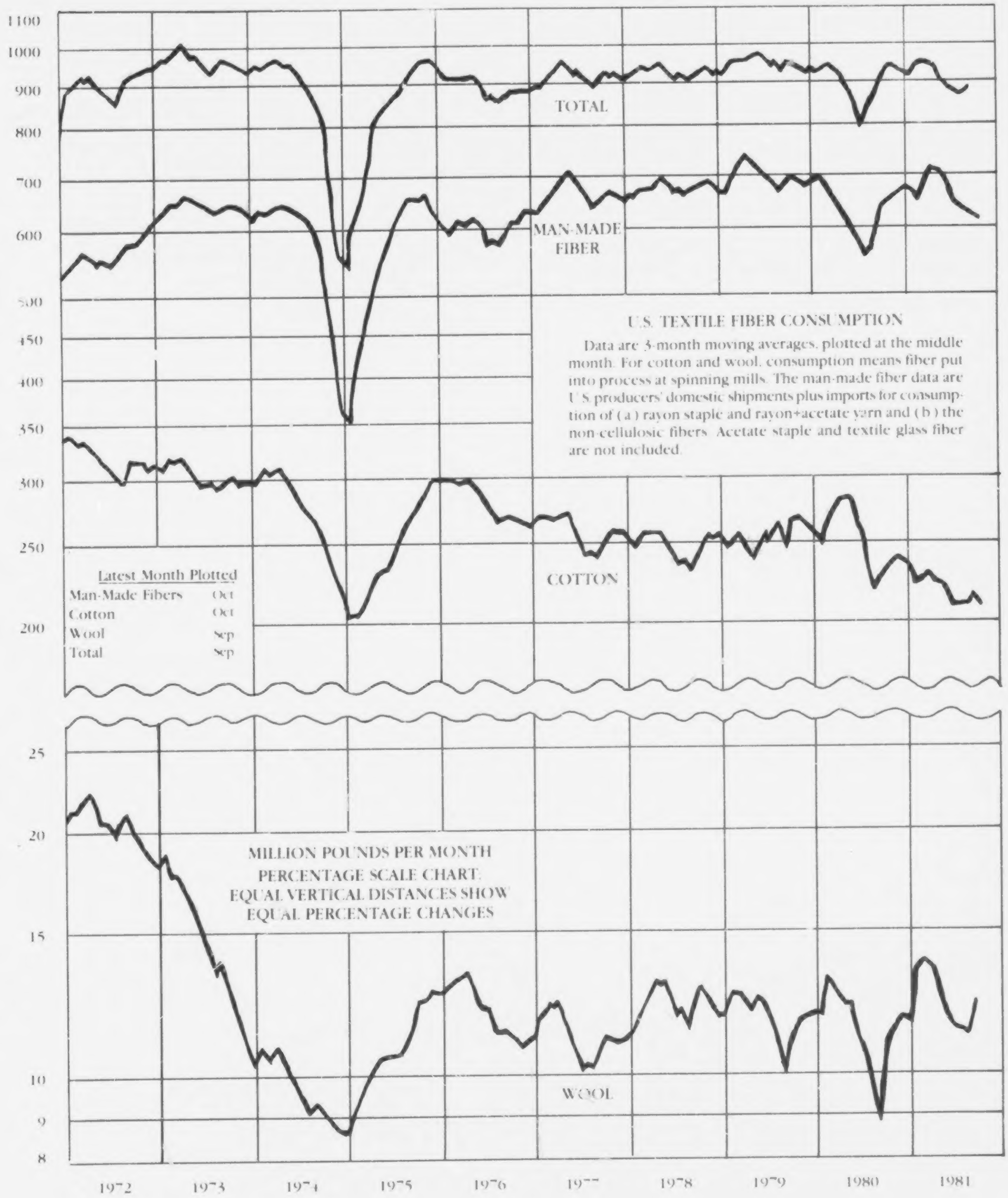
In acetate yarn, after an initial drop, average denier had tended to remain around the 89 mark through November 1980, rising to 95 as of November 1981. As of November 1983, the average denier is expected to be 89 again.

SHIPMENTS BY PRIMARY TRADE OR END USE

The tables on pages 218 and 219 present a breakdown of domestic filament yarn and staple+tow shipments by primary trade or major end use for the most recent periods. The shipments are also divided between apparel, home furnishings and industrial markets.

Drawing the yarn and staple data from the tables on pages 218 and 219 together, the distribution between these three market segments is as follows (million pounds).

	1977	1978	1979	1980	9 Mos. 1981
Apparel	3186	3165	3153	3195	2359
Home Furnishings	2693	2887	3034	2687	2034
Industrial	1645	1814	2038	1774	1387
	7524	7866	8225	7656	5780



U.S. TEXTILE FIBER CONSUMPTION

Data are 3-month moving averages, plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man-made fiber data are U.S. producers' domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.

Latest Month Plotted	
Man-Made Fibers	Oct
Cotton	Oct
Wool	Sep
Total	Sep

MILLION POUNDS PER MONTH
PERCENTAGE SCALE CHART.
EQUAL VERTICAL DISTANCES SHOW
EQUAL PERCENTAGE CHANGES

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

(A) ACETATE (N) NYLON+ARAMID (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA 1977	1978	1979	1980	QUARTERLY DATA 1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1981 1ST Q	1981 2ND Q	1981 3RD Q	1981 4TH Q
HOSIERY[b]	N	88.8	99.0	106.3	106.3	27.2	26.7	25.3	27.1	27.2	27.2	27.7	
OTHER CIRCULAR KNIT[c]	N	68.9	65.5	58.9	56.6	14.3	13.0	13.2	16.1	12.3	13.6	11.4	
	P	738.7	635.5	615.4	495.7	145.8	108.7	114.4	126.8	95.4	98.0	85.9	
	A	1.6	1.9	4.5	3.2	1.0	0.8	0.7	0.7	0.9	2.1	1.3	
FLAT KNIT	A	124.2	138.3	146.9	144.9	37.4	40.0	35.9	31.6	27.6	37.2	23.5	
	N	165.6	196.1	202.6	176.3	50.3	42.3	35.2	48.5	43.3	44.5	37.6	
	P	85.9	81.7	89.0	83.8	23.2	17.7	19.8	23.1	23.6	24.4	23.1	
CARPET FACE	N	617.8	677.8	732.5	714.5	183.5	157.3	169.3	204.2	184.0	186.9	146.6	
	O	67.0	78.9	85.3	89.5	24.3	20.9	20.4	23.9	21.5	22.7	22.0	
CARPET BACKING[d]	O	196.4	213.7	220.7	197.8	52.5	44.4	49.7	51.2	52.7	49.9	48.0	
OTHER BROAD WOVEN[e]	A	126.2	125.9	129.2	110.5	32.7	27.4	25.6	24.8	22.8	27.7	20.6	
	N	87.7	95.0	102.7	94.3	26.9	25.9	18.7	22.8	22.0	21.9	21.6	
	P	315.9	411.5	387.2	405.5	102.9	97.1	96.6	108.9	101.8	138.4	115.6	
	O	162.9	158.7	171.4	186.3	42.6	43.3	47.1	53.3	50.3	50.3	51.5	
NARROW WOVEN[f]	A	5.9	7.0	5.9	8.7	1.5	3.2	2.0	2.0	1.5	2.2	2.2	
	N	38.0	40.6	37.2	31.4	9.3	7.3	7.6	7.2	9.1	7.1	9.2	
	P	24.0	29.1	30.5	28.1	8.1	5.6	7.4	7.0	6.4	7.5	7.3	
	O	10.3	11.1	11.8	12.3	3.2	3.0	3.1	3.0	3.2	3.2	3.1	
TIRES, INCL. CHAFER	N	244.1	267.6	285.3	209.2	69.4	40.2	45.1	54.5	51.5	52.7	52.6	
	P	258.0	253.4	227.4	161.0	45.6	31.2	37.0	47.2	43.3	44.1	46.0	
OTHER RUBBER INDUSTRY[g]	N	22.5	25.7	28.7	22.3	6.1	4.9	4.8	6.5	7.2	6.4	5.5	
	P	30.1	32.0	35.8	30.2	10.0	6.1	6.7	7.4	7.4	8.1	9.5	
ROPE, CORDAGE & FISHLINE	N	28.1	33.4	38.2	33.0	9.6	7.6	7.7	8.1	8.2	7.9	8.2	
	P	10.4	10.6	13.6	13.1	3.0	3.6	3.0	3.5	4.6	3.7	3.7	
	O	74.4	82.4	95.3	84.4	20.7	23.4	18.8	21.5	28.5	22.9	18.9	
ALL OTHER[h]	A	1.5	1.5	1.9	1.9	0.3	0.5	0.5	0.6	0.6	0.7	1.0	
	N	34.7	38.4	38.9	95.0	19.4	25.5	20.8	29.3	15.7	17.9	20.0	
	P	47.6	53.8	126.2	146.0	30.6	40.7	35.5	39.2	73.1	69.8	74.0	
	O	28.6	34.9	39.7	41.4	13.6	8.9	8.2	10.7	8.1	9.6	11.5	
TOTAL DOMESTIC ABOVE	A	259.4	274.0	288.4	269.2	72.9	71.9	64.7	59.7	53.4	69.9	57.6	
	N	1396.2	1539.1	1631.3	1538.9	416.0	350.9	347.7	424.3	380.5	386.1	340.4	
	P	1510.6	1507.6	1525.1	1363.4	369.2	310.7	320.4	363.1	355.6	394.0	366.3	
	O	539.6	579.7	624.2	611.7	156.9	143.9	147.3	163.6	164.3	158.6	155.0	
TOTAL DOMESTIC ABOVE		**3705.8**	**3901.0**	**4069.0**	**3783.2**	**1015.0**	**877.4**	**880.1**	**1010.7**	**953.8**	**1008.6**	**919.3**	
ALSO DIVIDED AS													
APPAREL		1634.4	1671.2	1604.5	1530.4	407.9	354.3	365.1	403.1	388.4	439.9	380.5	
HOME FURNISHINGS		1090.5	1171.9	1274.6	1212.7	318.6	274.0	285.5	334.6	306.5	311.3	271.3	
INDUSTRIAL		980.9	1057.9	1189.9	1040.1	288.5	249.1	229.5	273.0	258.9	257.4	267.5	
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		1.0	1.3	+	0	0	0	0	0	0	0	0	
NYLON		158.5	161.6	166.8	167.4	40.4	41.6	39.4	46.0	39.0	39.8	36.5	
POLYESTER		1043.1	1018.7	1015.3	942.0	249.1	216.4	225.0	251.5	248.3	277.5	251.0	
OLEFIN		53.8	52.3	46.5	40.9	11.0	9.0	8.1	12.8	9.7	8.9	8.4	

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE & TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1980				1981			
		1977	1978	1979	1980	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	262.3	241.8	238.8	275.7	75.8	71.9	56.2	71.8	63.2	70.6	67.2	
	NPR	15.0	24.7	21.3	11.6	4.1	3.3	1.9	2.3	2.2	1.9	2.3	
PILE FABRICS[b]	A	87.0	82.4	65.1	60.4	17.5	18.7	11.7	12.5	14.8	14.3	8.8	
	P	25.4	15.1	17.8	19.7	6.4	4.9	4.1	4.3	5.0	4.5	3.5	
OTHER CIRCULAR+FLAT KNIT[c]	R	11.6	10.8	11.7	9.8	3.8	1.8	2.4	1.8	2.7	3.3	2.6	
	A	111.8	93.1	98.8	125.0	34.8	35.1	27.1	28.0	24.0	20.2	23.3	
	P	204.5	223.7	278.1	298.4	82.9	70.2	64.3	81.0	77.7	78.7	78.2	
BLANKETS[b]	A	50.2	55.2	45.5	42.2	10.7	11.0	11.9	8.6	7.6	6.2	6.4	
	P	15.6	14.9	13.2	17.7	4.2	4.4	4.5	4.6	3.2	4.1	3.1	
OTHER BROAD WOVEN	R	223.0	245.9	233.2	201.6	57.0	43.7	48.0	52.9	56.5	58.2	57.6	
	N	55.4	52.6	59.2	53.0	15.6	9.9	10.2	17.3	12.4	14.2	13.2	
	A	27.2	28.6	42.1	42.3	11.3	10.3	9.1	11.6	10.0	8.5	7.1	
	P	1105.8	1114.7	1171.0	1204.1	324.1	287.2	268.5	324.3	269.9	290.8	284.2	
	O	7.3	10.6	17.0	17.3	4.0	4.3	3.7	5.3	5.0	5.7	2.9	
CARPET FACE YARNS	R	0.1	*	*	*	*	*	*	*	*	*	0.2	
	N	715.0	798.5	828.0	631.5	149.4	115.8	171.3	195.0	185.7	192.7	136.3	
	A	72.7	62.8	48.1		Included in All Other							
	P	205.3	200.8	192.4	119.9	32.2	25.1	23.9	38.7	27.0	37.6	29.2	
	O	38.7	46.0	64.7	61.6	14.9	14.7	14.6	17.4	16.1	17.7	17.3	
FIBERFILL[d]	P	176.8	198.2	239.6	205.1	55.5	44.6	52.7	52.3	57.1	54.0	59.0	
FLOCK	NP	5.7	8.2	10.7	10.8	3.4	2.5	2.1	2.8	3.8	4.2	2.7	
	R	6.4	4.7	5.1	5.1	1.2	1.4	1.1	1.4	0.8	1.3	2.3	
NONWOVENS[e,f]	R	174.3	166.2	160.3	147.3	45.1	39.0	29.6	33.6	32.6	34.9	29.3	
	N	4.1	4.3	3.8	3.2	0.9	0.7	0.8	0.8	1.1	1.0	0.8	
	P	57.4	98.5	153.6	150.3	38.9	34.8	38.3	38.3	36.1	37.8	35.8	
	VINYON+O	30.6	28.6	36.7	34.6	9.4	7.1	8.4	9.7	9.6	11.3	11.1	
ALL OTHER	R	26.1	29.5	30.9	26.2	7.0	6.6	6.1	6.5	7.1	6.5	8.4	
	N	9.1	11.1	10.8	12.2	2.6	4.1	2.9	2.6	2.3	3.8	2.2	
	A	8.0	7.7	8.2	39.7	11.5	8.7	8.9	10.6	10.0	11.2	10.7	
	P	80.3	80.7	49.3	45.4	14.9	9.6	9.0	11.9	10.4	16.8	12.7	
	VINYON+O	4.7	4.8	0.9	1.5	0.6	0.2	0.3	0.4	1.2	0.8	0.9	
TOTAL DOMESTIC ABOVE	R	444.9	459.2	442.4	390.7	114.2	92.6	87.3	96.6	100.2	104.5	100.7	
	N	791.7	876.4	913.2	711.2	171.9	133.2	187.6	218.5	204.8	215.9	155.4	
	A	619.8	571.6	546.6	585.3	161.6	155.7	124.9	143.1	130.2	137.0	123.5	
	P	1880.3	1967.5	2134.4	2071.0	563.1	483.8	466.8	557.3	493.2	525.9	507.5	
	VINYON+O	81.3	90.0	119.3	115.0	28.9	26.3	27.0	32.8	31.9	35.5	32.2	
TOTAL DOMESTIC ABOVE		**3818.0**	**3964.7**	**4155.9**	**3873.2**	**1039.7**	**891.6**	**893.6**	**1048.3**	**960.3**	**1018.8**	**919.3**	
ALSO DIVIDED AS													
APPAREL		1551.7	1493.4	1548.6	1664.4	460.7	409.1	363.3	431.3	366.0	397.9	386.8	
HOME FURNISHINGS		1602.2	1714.8	1759.1	1474.2	375.1	311.9	358.4	428.8	394.7	415.9	334.0	
INDUSTRIAL		664.1	756.5	848.2	734.6	203.9	170.6	171.9	188.2	199.6	205.0	198.5	

a. Olefin poundages are included in All Other

b. Rayon and nylon poundages are included in All Other

c. Nylon poundages are included in All Other

d. Rayon and acrylic poundages are included in All Other

e. Wet & dry laid and needled batts only

f. Acrylic poundages are included in All Other

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Y

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SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM	1981												10 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
RAYON+ACETATE YARN, MONOFIL & STRIPS														
CANADA	318	125	8	1	12	5	0	15	4	14			502	694
MEXICO	161	79	163	41	191	166	81	246	121	78			1327	1228
BELGIUM	0	50	25	0	76	0	23	0	0	6			180	0
WEST GERMANY	242	290	555	200	639	179	115	357	306	435			3318	868
GREECE	0	0	0	0	39	0	0	0	0	82			121	0
NETHERLANDS	236	593	333	293	262	194	372	330	284	197			3094	1548
SPAIN	142	0	0	0	41	0	40	0	0	0			223	79
UNITED KINGDOM	1	10	0	6	41	0	90	73	14	0			235	1606
JAPAN	64	0	0	0	33	36	0	28	14	51			226	638
SOUTH KOREA	1	0	0	40	40	0	0	0	60	34			175	120
ALL OTHER COUNTRIES[a]	19	4	0	0	0	20	5	38	0	24			110	253
TOTAL R+A YARN	**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**			**9511**	**7034**
RAYON+ACETATE STAPLE+TOW														
CANADA	469	474	436	451	421	392	411	463	407	401			4325	1529
AUSTRIA	731	113	166	303	768	250	463	368	526	300			3988	1075
FRANCE	18	83	39	43	0	45	0	0	0	194			422	100
WEST GERMANY	0	0	85	0	0	0	0	43	2	43			173	215
ITALY	0	12	0	0	36	16	105	115	0	292			576	0
SWEDEN	332	234	184	0	187	227	227	298	224	184			2097	2555
UNITED KINGDOM	226	76	7	157	203	235	349	75	122	249			1699	1461
JAPAN	90	147	74	118	59	88	105	87	60	220			1048	848
ALL OTHER COUNTRIES[b]	0	0	0	0	0	0	2	0	96	37			135	52
TOTAL R+A STAPLE	**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**			**14463**	**7835**
NON-CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	50	98	4	579	415	280	389	263	55	45			2178	2819
MEXICO	14	20	12	15	44	0	3	99	2	8			220	26
AUSTRIA	0		0	0	64	0	41	10	0	11			126	1
BELGIUM		0	0	0		1	0	5	57	68			131	33
FRANCE	94	130	203	210	166	109	235	125	101	214			1587	663
WEST GERMANY	256	382	275	501	426	353	320	508	352	470			3843	2561
ITALY	52	152	35	0	108	79	0	333	227	155			1141	181
NETHERLANDS	0	1	9	0	49	28		42	0	3			132	122
SPAIN	61	0	0	0	0	0	0	179	0	99			339	62
SWITZERLAND	1	3	8	0	3	3	50		3	50			121	18
UNITED KINGDOM	57	114	37	3	5	1	4	15	14	48			298	601
JAPAN	300	671	357	776	662	743	773	601	360	670			5913	9795
SOUTH KOREA	5	36	3	3	43	2	1	3	3	2			101	9
ALL OTHER COUNTRIES[c]	2	3	6	0	50	6	2	0	31	11			111	626
TOTAL N.C. YARN	**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**			**16247**	**17517**
NON-CELLULOSIC STAPLE+TOW														
CANADA	328	350	449	531	714	425	1250	649	696	617			6009	1996
MEXICO	190	28	97	510	693	217	141	384	264	483			3007	24
BELGIUM	0	130	0	152	70	2	5	36	31	115			541	3
FRANCE	44	797	198	508	533	254	528	168	472	406			3908	40
WEST GERMANY	541	1963	1625	2233	1644	1345	2386	2453	732	1601			16523	8282
IRELAND		56	0	0	0	0	39	0	39	87			221	1
ITALY	7	813	616	423	717	164	1426	649	1202	72			6089	1066
NETHERLANDS	0	39	44	80	35	15	15	98	37	24			387	20
POLAND	44	38	0	0	89	0	0	3	0	0			174	53
ROMANIA	0	0	132	84	28	0	23	0	71	287			625	479
UNITED KINGDOM	208	508	320	173	264	818	713	607	306	411			4328	1881
EGYPT	0	0	0	0	0	0	0	0	333	0			333	0
JAPAN	828	335	367	493	343	478	434	288	202	356			4124	5236
TAIWAN	324	745	588	875	583	866	198	852	1291	653			6975	10187
ALL OTHER COUNTRIES[d]	0	13	0	16	1	54	23	72	26	11			216	118
TOTAL N.C. STAPLE	**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**			**53460**	**29392**

Other countries supplying 1981 poundages are:

[a] Austria 63, France 1, Italy 4, Sweden 2, Taiwan 19 & Yugoslavia 21

[b] Belgium 96, Mexico 1, Netherlands 37 & Venezuela 1

[c] Australia 1, Costa Rica 11, Denmark 45, Hong Kong 2, Ireland 31, Portugal 8, Sweden 10, & Taiwan 3

[d] Austria 42, Brazil 10, Costa Rica 40, Denmark 3, Hong Kong 14, Israel 31, Portugal 16, South Africa 23 & Switzerland 37

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1 - 1 - 78	1981												10 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
RAYON+ACETATE															
YARN SINGLES															
TEXTURED	310.0106 & .0206	1	10	0	242	4	0	9		0	0			266	863
OTHER	310.0130 & .0230[a]	1182	1139	1084	339	1370	600	712	1072	803	920			9221	6161
MONOFILAMENTS	309.0310 & .0610	1	2	0	0	0	0	0	0	0	1			4	0
STRIPS $1 LB & UNDER	309.2000*	0	0	0	0		0	5	15	0	0			20	10
SUBTOTAL ABOVE		**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**			**9511**	**7034**
STAPLE	309.4320 & .4325	1627	1006	927	887	1442	990	1311	1317	1358	1686			12551	5824
GROUPED FILAMENTS	309.3010 & .3110	239	133	64	185	232	263	351	132	79	234			1912	2011
SUBTOTAL ABOVE		**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**			**14463**	**7835**
WASTE ADVANCED & NOT ADVANCED	309.6615 & .7510	37	7	37	0	35	40	65	46	40	58			365	307
NON-CELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED NYLON	310.0109 & .0209	197	217	215	586	507	475	471	159	176	445			3340	2981
POLYESTER	310.0110 & .0210	27	7	22	13	79	80	1	294	98	16			637	322
OTHER	310.0114 & .0214	17	56	8	17	49	23	85	21	3	149			428	180
OTHER NYLON	310.0149 & .0249	204	525	127	542	487	354	317	416	438	284			3694	3251
POLYESTER	310.0150 & .0250	111	411	299	399	482	491	293	935	190	618			4229	5774
OTHER	310.0170 & .0270[b]	170	183	113	188	164	56	182	81	108	111			1356	1115
MONOFILAMENTS	309.0200 & .0330[c]	145	200	149	321	258	220	458	263	161	220			2395	3687
STRIPS OVER $1 LB	309.2100 & .2500*	21	11	16	21	9	15	11	14	31	13			162	201
SUBTOTAL ABOVE		**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**			**16247**	**17517**
STAPLE NYLON	309.4338	525	2080	1098	2533	2455	1574	4055	3238	2062	504			21330	1320
POLYESTER	309.4342	132	111	306	661	847	363	328	576	840	1187			5351	1069
ACRYLIC	309.4345	1069	1594	907	1201	1005	565	736	895	480	1259			9511	11010
OLEFIN	309.4346	5	0	304	1	5	71	474	79	125	60			1124	144
OTHER	309.4355	469	961	673	1088	852	1281	350	1285	1666	1069			9700	12025
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	68	50	68	137	155	106	500	23	18	473			1598	812
POLYESTER	309.3040 & .3140	0	42	0	0	44	90	18	30		43			267	117
ACRYLIC	309.3050 & .3150	181	255	178	201	195	312	372	256	175	375			2500	2286
OTHER	309.3065 & .3165	65	116	302	166	156	186	342	77	336	153			1899	609
SUBTOTAL ABOVE		**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**			**53460**	**29392**
WASTE NOT ADVANCED NYLON	309.6625	1598	1587	2822	1713	2134	1667	2239	2344	2417	2114			20575	9888
POLYESTER	309.6650	1071	1810	1547	1005	1473	1321	1438	1409	1282	2508			14864	4232
ACRYLIC	309.6645	289	258	200	236	379	269	87	514	3	30			2265	2008
OTHER	309.6660	32	203	263	328	127	331	196	340	15	368			2203	754
NOILS & GARNETTED FIBERS	309.6000 & .7000*	0	0	0	0	0	0	29	28	0	28			85	4
OTHER WASTE ADVANCED	309.7525 - .7555	119	65	3	35	2	6	23	58	31	117			457	468
TOTAL MAN-MADE ABOVE		**9602**	**13643**	**12332**	**13135**	**14947**	**11679**	**15464**	**15717**	**12935**	**15041**			**134495**	**79439**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARNS PLIED															
TEXTURED CELLULOSIC	310.1106	0		24	0	0	0	0	0	0	1			25	0
NON CELLULOSIC	310.1015[d] & .1106[e]	208	124	213	313	364	265	342	335	143	459			2826	875
OTHER CELLULOSIC	310.1030 & .1135[f]	16		0		0	0	0	1	0	1			18	97
NON CELLULOSIC	310.1050 & .1070[g]	20	27	26	44	20	4	125	14	13	16			309	356
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	10	25	24	52	37	24	93	130	58	75			528	508
OTHER	310.4015 & .4027[i]	1702	1454	1794	1740	2164	1312	1542	1314	1258	1082			16322	10627
OTHER YARNS NES, INCL CHENILLE	310.6020 - .8000	352	109	261	415	609	433	361	356	374	345			3615	1948
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	247	230	188	190	262	292	226	208	195	316			2354	1859
SLIVER, TOPS & ROVING	309.0000	388	473	322	262	173	245	370	505	115	366			3309	2486
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1156	441	1067	551	643	1485	1575	3434	2410	2127			14869	5974
GRAND TOTAL ABOVE		**13821**	**16526**	**16231**	**16702**	**19219**	**15739**	**20098**	**22104**	**17501**	**20729**			**178670**	**110169**

SOURCE: U S Census Bureau

NES - Not elsewhere specified

* These items are not reported by the Census as cellulosic vs. non cellulosic. Any separation between cellulosic and non cellulosic is estimated, based mainly on average declared value

[a] Also includes 310.0510 & .0610

[b] Also includes 310.0530, .0550, .0630 & .0650

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation

[e] Also includes 310.1110 & .1114

[f] Also includes 310.2010 & .2110

[g] Also includes 210.1150, .1155, .1170, .2030, .2050, .2130 & .2150

[h] Also includes 310.5005 & .5030

[i] Also includes 310.4040, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

[j] Chiefly roving. Also includes 309.9800 & .9000

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1981												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**20.9**	**21.6**	**21.5**	**27.1**	**26.4**	**25.2**	**24.6**	**19.9**	**20.8**	**19.5**	**17.6**		**245.1**	**280.5**
NYLON[e] INDUSTRIAL[f]	34.5	34.4	37.2	35.9	32.3	34.3	30.6	35.7	35.0	31.8	33.4		375.1	408.5
LOW DENIER INDUSTRIAL[g]	3.0	3.0	3.8	2.8	2.3	3.3	2.5	2.9	3.5	2.7	2.7		32.5	32.8
CARPET	67.1	65.8	65.3	73.4	65.3	61.3	56.8	52.9	48.1	40.7	39.4		654.1	680.4
TEXTILE	33.7	36.6	38.4	47.3	36.1	37.3	31.7	34.8	35.8	33.0	32.5		387.2	405.1
POLYESTER INDUSTRIAL[f]	25.5	24.3	27.3	29.0	24.7	25.5	26.9	27.3	26.2	27.1	26.2		290.0	265.8
LOW DENIER INDUSTRIAL[g]	2.1	2.1	2.5	2.9	2.7	2.5	2.5	1.9	2.3	2.4	2.2		26.1	27.4
TEXTILE	94.8	96.0	111.3	123.6	106.4	108.6	102.1	107.3	103.9	98.4	91.6		1144.0	1068.2
OLEFIN[h]	56.0	55.8	57.4	55.5	50.8	52.0	53.5	54.2	51.9	50.1	51.0		594.2	577.6
TOTAL NON-CELLULOSIC ABOVE[i]	**316.7**	**316.0**	**343.2**	**360.4**	**326.6**	**324.8**	**306.6**	**317.0**	**306.7**	**286.2**	**279.0**		**3483.2**	**3465.8**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**40.9**	**35.4**	**37.9**	**41.4**	**40.8**	**37.5**	**39.4**	**36.8**	**38.7**	**38.7**	**36.5**		**424.1**	**418.3**
NYLON[e]	70.7	67.5	73.9	80.0	74.8	69.2	62.2	52.8	44.9	41.8	40.9		678.7	664.9
ACRYLIC+MODACRYLIC	59.3	62.2	65.8	65.3	61.9	60.1	51.9	59.8	54.3	53.3	49.8		641.7	706.0
POLYESTER	208.6	211.1	202.5	243.6	218.6	211.9	212.8	232.9	223.4	214.4	206.2		2386.0	2289.4
OLEFIN+VINYON	10.8	10.3	11.2	11.7	12.4	11.7	10.7	11.3	10.6	12.2	10.0		122.9	108.2
TOTAL NON-CELLULOSIC ABOVE	**349.4**	**351.1**	**351.4**	**400.6**	**367.7**	**352.9**	**337.6**	**356.8**	**333.2**	**321.7**	**306.9**		**3829.3**	**3768.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**17.0**	**15.4**	**15.8**	**13.5**	**11.6**	**12.1**	**11.4**	**13.7**	**12.6**	**12.4**	**12.4**		**12.4**	**17.2**
NYLON[e] INDUSTRIAL[f]	37.5	37.9	35.7	36.7	42.5	41.2	43.8	38.3	37.2	38.7	35.4		35.4	25.5
LOW DENIER INDUSTRIAL[g]	3.9	3.2	3.1	3.5	3.4	3.2	3.6	3.8	3.6	3.0	4.4		4.4	2.9
CARPET	37.7	38.2	38.3	33.4	30.4	39.5	47.9	64.9	72.3	80.4	74.9		74.9	32.0
TEXTILE	42.8	45.1	41.8	41.7	45.0	41.4	45.1	44.5	45.7	47.6	47.5		47.5	42.4
POLYESTER INDUSTRIAL[f]	23.7	23.1	21.3	20.9	23.7	24.7	24.3	22.7	22.6	20.2	22.8		22.8	21.9
LOW DENIER INDUSTRIAL[g]	3.6	3.4	3.5	3.0	3.3	3.6	3.6	3.3	2.7	3.1	2.8		2.8	3.9
TEXTILE	100.2	104.1	87.3	67.5	72.5	76.0	89.4	84.1	84.0	95.4	99.6		99.6	90.0
OLEFIN[h]	63.9	62.3	61.6	60.4	58.3	62.3	61.8	62.2	66.2	64.8	65.4		65.4	66.5
TOTAL NON-CELLULOSIC ABOVE[i]	**313.3**	**315.3**	**292.6**	**267.7**	**283.7**	**291.9**	**319.3**	**323.8**	**334.4**	**354.1**	**352.8**		**352.8**	**285.1**
STAPLE+TOW+FIBERFILL														
RAYON	**24.2**	**25.1**	**29.3**	**28.1**	**25.4**	**23.7**	**23.2**	**25.7**	**27.3**	**25.9**	**29.2**		**29.2**	**28.2**
NYLON[e]	33.3	37.4	37.3	33.4	40.1	48.5	61.0	71.8	72.4	73.4	70.7		70.7	31.1
ACRYLIC+MODACRYLIC	76.5	76.3	74.3	68.5	67.1	63.8	67.8	64.2	64.6	66.7	70.4		70.4	64.7
POLYESTER	174.2	182.3	190.3	178.5	181.7	185.1	195.4	177.4	179.6	180.1	181.5		181.5	157.0
OLEFIN+VINYON	16.6	16.9	16.2	15.3	15.2	15.5	16.7	17.9	20.0	21.0	23.8		23.8	17.1
TOTAL NON-CELLULOSIC ABOVE	**300.6**	**312.9**	**318.1**	**295.7**	**304.1**	**312.9**	**340.9**	**331.3**	**336.6**	**341.2**	**346.4**		**346.4**	**269.9**

WOOL & COTTON CONSUMPTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
APPAREL CLASS WOOL	11.0	12.1	14.6	13.2	11.5	13.0	9.3	12.3	11.7	11.3			120.0	104.5
CARPET CLASS WOOL	0.8	0.8	0.9	0.8	0.8	0.8	0.7	1.1	1.1	1.3			9.1	8.6
TOTAL RAW WOOL	11.8	12.9	15.5	14.0	12.3	13.8	10.0	13.4	12.8	12.6			129.1	113.1
RAW COTTON	217.4	245.4	247.1	238.1	220.8	244.4	193.1	235.7	237.7	246.7	202.9		2529.3	2827.7

a Year to date totals except for stock, which is the latest month's data

b The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month

c Producers' total domestic plus export shipments

d Rayon yarn data are available annually only; see page 21 of the February issue

e Data for nylon include aramid

f Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier

g Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier

h Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses

i Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns

j Acetate staple+tow data are available annually only; see page 21 of the February issue

ANNUAL INDEX - VOLUME FIFTY-TWO

The names of U.S. producers of the man made fibers, together with the products made, are listed on pages 147-152. The corresponding list of world producers is on pages 93-108. Individual producers' names are not shown in this index unless there have been news items concerning them during the year.

Monthly U.S. fiber shipments, stock, etc., are shown in the table "Selected U.S. Monthly Textile Fiber Data" which is usually found on the last page of each ***Organon*** issue. In the following index, this is called the "Monthly Table."

Each issue of the ***Organon*** contains one or more principal topics, e.g., the World Man Made Fiber Survey in June. Following is a brief outline of major subjects covered in the 1981 issues. The numbers in parentheses are the pages of each month's issue.

JANUARY	Commodity Credit Corporation's Annual Report. (1-16)
FEBRUARY	Annual Review of the U.S. Man Made Fiber Producing Industry, incl. Production, Shipments, Stock, etc. Broad Woven Goods Production. (17-32)
MARCH	U.S. Mill Consumption and Domestic Consumption of Textile Fibers. Imports, Exports & Balance. (33-48)
APRIL	Annual U.S. Man Made Fiber Import Export Review. (49-64)
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JUNE	World Man Made Fiber Survey. Directory of World Man Made Fiber Producers. Also see pages 113-124. (81-112)
JULY	World Man Made Fiber Data in Pounds. (113-128)
AUGUST	Quarterly U.S. Man Made Fiber Review. Broad Woven Goods Production. (129-144)
SEPTEMBER	Directory of U.S. Man Made Fiber Producers. First Half Man Made Fiber Import Export Review. (145-160)
OCTOBER	World Cotton Review. (161-184)
NOVEMBER	Textile Fiber End Use Survey. Quarterly U.S. Man Made Fiber Review. Estimates of Apparel Market in U.S. (185-208)
DECEMBER	World Wool Review. Producing Capacity of the U.S. Man Made Fiber Industry. (209-222)

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Textile Organon

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Monthly Review

HIGHLIGHTS

Shipments of non cellulosic fibers were marginally lower in December than in November. Last month's shipments totaled 585.0 million pounds as compared with 585.9 million pounds in November. December deliveries of non-cellulosic yarn totaled 266.7 million pounds and non-cellulosic staple+tow shipments were 318.3 million pounds.

Shipments for the year 1981 totaled 7,898.2 million pounds, 1% less than 1980's total of 7,988.1 million pounds.

NON-CELLULOSIC SHIPMENTS OFF MARGINALLY IN DECEMBER

December shipments of non cellulosic fibers (except saran and spandex), at 585.0 million pounds, were marginally below the 585.9 million pounds shipped during November. Shipments of 7,898.2 million pounds for the year 1981 were 1% less than 1980 shipments of 7,988.1 million pounds.

Non-cellulosic yarn+monofilament deliveries (except saran and spandex) totaled 266.7 million pounds, 4½% less than November shipments of 279.0 million pounds and their lowest level since June 1980. For the year, deliveries of 3,749.9 million pounds were 1½% less than 1980 shipments of 3,815.8 million pounds.

Shipments of non-cellulosic staple+tow during December 1981 were 318.3 million pounds, an increase of 3½% from the 306.9 million pounds shipped during November. However, for 1981, shipments of 4,148.3 million pounds were ½% less than the 4,172.3 million pounds delivered during 1980.

The only fibers to post year-to-year shipment gains were: polyester industrial & textile yarn; olefin yarn; rayon staple+tow; polyester staple+tow and olefin+vinyon staple+tow.

DECEMBER AND NOVEMBER SHIPMENTS COMPARED

Following is a comparison of total December shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with November (million pounds), and the percentage change, respectively: nylon industrial 27.8 & 33.4 & -17%; low denier industrial 2.6 & 2.7 & -3½%; carpet 42.9 & 39.4 & +9%; textile 31.1 & 32.5 & -4½%; polyester industrial 23.1 & 26.2 & -12%; low denier industrial 1.5 & 2.2 & -32%; textile 85.3 & 91.6 & -7%; olefin 52.4 & 51.0 & +2½% and the total of these fibers 266.7 & 279.0 & -4½%.

Similarly, for non-cellulosic staple+tow+fiberfill, the corresponding data are: nylon 42.8 & 40.9 & +4½%; acrylic+modacrylic 52.8 & 49.8 & +6%; polyester 212.8 & 206.2 & +3%; olefin 9.9 & 10.0 & -1% and the total 318.3 & 306.9 & +3½%.

CELLULOSIC SHIPMENTS OFF 10% IN DECEMBER

Shipments of acetate yarn+monofilaments and rayon staple+tow continued their decline of recent months. December deliveries of these fibers totaled 48.6 million pounds, 10% less than the 54.2 million pounds shipped in November. For the year 1981, deliveries were 717.8 million pounds, 4½% less than year-ago levels.

Shipments of acetate yarn last month totaled 16.0 million pounds, 9% less than the 17.6 million pounds shipped in November and their lowest monthly shipments since January 1975. For 1981, acetate yarn deliveries totaled 261.1 million pounds, 14% less than 1980.

Rayon staple+tow shipments during December totaled 32.6 million pounds, 11% less than the previous month. However, for the year 1981, deliveries of 456.7 million pounds were 1% more than 1980 shipments of 451.7 million pounds.

DECEMBER STOCKS DECLINED 5%

Stocks of non-cellulosic fibers (except saran and spandex) totaled 667.4 million pounds as of the end of December, a 5% decline from the 701.6 million pounds on hand as of November 30th, 1981. For non-cellulosic yarn+monofilaments (except saran and spandex) stocks declined 4½% (to 337.7 million pounds) and for non-cellulosic staple+tow end-of-month inventory totaled 329.7 million pounds, a 5½% decline from a month earlier.

Both acetate yarn+monofilaments and rayon staple+tow stocks rose in December. As of December 31st, 1981, acetate yarn stocks were 14.3 million pounds and rayon staple+tow stocks were 31.1 million pounds.

1981 AND 1980 SHIPMENTS COMPARED

Following is a comparison of total 1981 shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with 1980 (million pounds), and the percentage change, respectively: nylon industrial 402.9 & 446.6 & -10%; low denier industrial 35.1 & 35.8 & -2%; carpet 677.0 & 756.9 & -11%; textile 418.3 & 447.6 & -6½%; polyester industrial 313.1 & 294.3 & +6½%; low denier industrial 27.6 & 29.4 & -6%; textile 1,229.3 & 1,172.8 & +5%; olefin 646.6 & 632.4 & +2% and the total of these fibers 3,749.9 & 3,815.8 & -1½%.

For non-cellulosic staple+tow, the corresponding data are: nylon 721.5 & 743.1 & -3%; acrylic+modacrylic 694.5 & 771.1 & -10%; polyester 2,598.8 & 2,539.4 & +2½%; olefin+vinyon 133.5 & 118.7 & +12% and the total 4,148.3 & 4,172.3 & -½%.

For acetate yarn+monofilaments the figures are 261.1 & 301.9 & -14% and for rayon staple+tow 456.7 & 451.7 & +1%.

Thus total 1981 shipments of man-made fibers (excluding saran, spandex and textile glass) totaled 8,616.0 million pounds, 1½% less than the 8,741.7 million pounds shipped during 1980.

COTTON CONSUMPTION LOWEST SINCE 1934

1981 mill consumption of cotton totaled 2,703 million pounds, 12% less than the 3,064 million pounds in 1980 and the lowest mill consumption since 2,660 million pounds were consumed in 1934.

December mill consumption of cotton totaled 175.3 million pounds, 13% below November and the lowest monthly figure since September 1934 when some 140 million pounds were consumed by U.S. mills.

U.S. MILL CONSUMPTION DECLINED 3½% IN 1981

Preliminary estimates by the Textile Economics Bureau, Inc., put U.S. mill consumption at 11,590 million pounds in 1981 as compared with 11,982 million

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BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
COTTON FABRICS	**1226.3**	**1182.3**	**986.5**	**1061.5**	**4456.6**	**971.5**	**947.0**					
DUCK & ALLIED FABRICS	28.5	25.6	21.8	17.2	93.1	19.5	26.3					
SHEETING & ALLIED FABRICS	209.7	205.8	156.3	181.1	752.9	181.6	178.4					
PRINT CLOTH YARN FABRICS	408.1	455.6	436.2	419.7	1720.0	352.9	334.7					
DENIMS	167.2	170.2	151.0	148.9	637.3	140.1	135.4					
TOWELING, WASH & DISHCLOTHS	126.5	120.1	106.5	122.5	475.6	127.8	129.6					
BLANKETING & OTHER NAPPED FABRICS	32.0	27.1	24.2	27.3	110.6	25.0	27.4					
FINE COTTON FABRICS	54.0	30.8	29.1	17.5	131.4	13.7	16.9					
CORDUROYS	125.0	115.2	93.3	87.8	419.9	72.6	75.4					
UPHOLSTERY & TAPESTRY	5.6	3.7	3.5	3.7	16.5	4.0	4.3					
VELVETS	3.9	3.3	3.1	5.0	15.4	2.1	3.3					
DRAPERY & BEDSPREAD FABRICS	20.2	20.3	11.9	14.7	67.1	21.4	16.9					
ALL OTHER FABRICS	10.0	14.3	9.6	18.1	58.2	3.9	12.6					
WOOLEN & WORSTED FABRICS[a]	**58.1**	**59.8**	**41.1**	**43.8**	**202.8**	**58.4**	**57.7**					
MEN'S & BOYS' CLOTHING	32.1	30.3	19.2	20.5	102.1	33.0	31.5					
WOMEN'S & CHILDREN'S CLOTHING	19.2	22.3	16.2	16.9	74.6	20.1	21.9					
NONAPPAREL FABRICS	6.8	7.2	5.7	6.4	26.1	5.3	4.3					
MAN-MADE FABRICS	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**2985.2**	**2971.0**					
100% FILAMENT YARN FABRICS												
100% RAYON	6.3	6.7	6.0	7.1	26.1	7.1	6.5					
COMBINATIONS, CHIEFLY ACETATE	12.4	12.5	11.9	14.0	50.7	14.3	14.0					
100% NYLON	160.0	156.7	152.4	140.9	610.0	141.8	139.0					
100% POLYESTER	248.6	278.4	258.8	300.7	1086.5	284.3	300.9					
COMBINATIONS, CHIEFLY POLYESTER	23.9	22.4	24.0	21.2	91.5	21.5	20.0					
TEXTILE GLASS	115.2	97.9	85.5	93.2	391.8	100.0	93.1					
100% ACETATE	81.3	91.5	87.3	98.5	358.6	400.5	455.4					
OTHER	319.8	289.0	302.3	461.7	1373.4							
100% SPUN YARN FABRICS & BLENDS												
RAYON & ACETATE	96.2	90.1	84.8	160.3	431.4	174.1	170.8					
ACRYLIC+MODACRYLIC	3.9	4.3	5.2	4.7	18.1	2.9	4.3					
NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5					
100% POLYESTER	58.3	51.8	53.3	54.8	218.2	78.3	77.6					
POLYESTER WITH COTTON	1117.4	1100.5	1015.0	1310.0	4542.9	1105.8	1090.3					
POLYESTER WITH WOOL	11.4	11.1	13.4	14.5	50.4	12.6	12.3					
POLYESTER WITH RAYON	147.7	140.4	141.2	167.0	596.3	177.2	197.7					
POLYESTER WITH OTHER FIBERS	16.0	7.3	14.5	15.4	54.0	15.3	15.6					
BLANKETING[b]	29.9	31.5	31.6	28.7	121.7	24.6	30.8					
ALL OTHER	12.3	10.1	9.0	12.4	43.8	4.6	4.6					
COMBINATIONS & MIXTURES[c]												
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	33.0					
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	76.1					
OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0					
OTHER	121.8	88.6	75.3	97.3	383.0	129.3	135.3					
SPECIALTY FABRICS												
DRAPERY & BEDSPREAD	54.1	51.7	48.9	43.7	198.4	65.0	60.4					
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.6					
VELVETS	4.1	4.3	3.9	3.9	16.2	3.8	3.9					
UPHOLSTERY & TAPESTRY	29.9	23.0	18.2	26.0	97.1	28.9	30.9					
OTHER[d]	2.7	3.0	2.8	2.2	10.7							
TOTAL BROAD WOVEN FABRICS ABOVE	**4065.2**	**3905.4**	**3544.5**	**4116.8**	**15631.9**	**4015.1**	**3975.7**					

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T***

a. Felts are not included.

b. Acrylic+modacrylic and polyester.

c. Includes filament & spun yarn fabrics.

d. 100% or chiefly man-made fibers; chief fiber not specified. Also includes small poundages of tie, twisted paper yarn and girdle & swimwear fabrics.

pounds in 1980, a decline of 3½%. The decline for man-made fibers was only ½% as compared with a 12% drop for cotton and a 14% increase in wool consumption.

	1981	1980	%CHANGE
Man-Made	8,734	8,784	−½%
Cotton	2,703	3,064	−12%
Wool	153	134	+14%
	11,590	11,982	−3½%

Thus in 1981, man-made fibers had a 76% share of U.S. mill consumption, cotton a 23% share and wool a 1% share. For 1980, the corresponding figures are 73% for man-made fibers, 26% for cotton and 1% for wool.

TOLARAN FIBERS PURCHASES POLYESTER FIBER PLANT

Tolaran Fibers, Inc., a Singapore-based subsidiary of

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT YARN FABRICS	973.5	955.7	908.2	1143.2	3980.6	1035.9	999.9					
100% FILAMENT ACETATE	81.5	91.5	87.5	98.5	358.6	a	a					
TAFFETAS (PLAIN WEAVE)												
75 DENIER WARP	15.0	14.0	10.0	8.7	47.8	8.4	7.8					
150 DENIER WARP	0.5	7.0	9.9	12.7	30.8	0.9	11.2					
ALL OTHER	15.7	33.0	31.2	18.5	98.4	46.5	46.6					
SATINS	12.0	20.0	10.0	12.5	55.4	a	a					
ALL OTHER[b]	33.3	28.8	25.7	31.1	118.8	a	a					
FILAMENT COMB. (CHIEFLY ACETATE)	12.4	12.5	11.0	15.0	50.7	14.1	14.0					
100% FILAMENT RAYON	6.5	6.7	10.0	7.1	30.3	7.1	6.8					
TWILLS	4.4	5.1	4.9	6.1	20.5	6.4	5.8					
ALL OTHER[c]	1.9	1.6	5.1	1.0	9.8	0.7	0.7					
100% FILAMENT NYLON	160.0	150.7	152.1	140.0	602.0	141.8	139.0					
TAFFETAS (PLAIN WEAVE)												
40 & 70 DENIER	51.0	50.6	54.0	50.0	222.4	81.5	73.8					
ALL OTHER	34.0	28.0	22.0	24.4	108.6							
TWILLS & SATINS	4.5	4.0	5.1	3.7	17.3							
MARQUISETTES, NINONS & OTHER SHEERS												
INDUSTRIAL TYPE	66.8	59.1	68.4	55.5	251.8	50.0	52.0					
ALL OTHER	7.9	3.2	5.3	4.7	21.1	4.5	3.0					
100% FILAMENT POLYESTER	248.0	278.4	250.8	300.7	1080.5	244.3	240.0					
TEXTURED YARN												
UP TO 4 OZ SQ YD	44.0	44.0	52.8	52.8	200.0	50.8	60.0					
4 OZ & OVER SQ YD	140.4	155.3	152.7	165.6	615.0	170.1	160.0					
NONTEXTURED YARN												
INDUSTRIAL TYPE	17.8	14.5	12.5	13.1	57.8	14.5	16.7					
MARQUIS., NINONS & OTHER SHEERS	33.3	33.7	34.2	39.7	140.9	33.0	43.0					
TAFFETAS	12.0	12.4	6.5	9.8	42.1	7.0	4.8					
ALL OTHER						3.2	3.4					
FILAMENT COMB. (CHIEFLY POLYESTER)	25.9	22.4	24.0	23.2	91.5	21.5	20.0					
GLASS FIBER	115.2	97.0	95.5	93.2	401.8	100.0	95.1					
INDUSTRIAL												
WOVEN ROVING & SCREENING	13.6	13.1	19.4	8.0	44.7	9.8	10.3					
ALL OTHER[d]	101.6	84.8	76.1	84.0	347.3	90.8	82.8					
OTHER 100% FILAMENT YARN[e]	319.8	289.6	302.5	461.7	1373.4	406.1	379.8					

See footnotes on opposite page.

Ansean Interest, Ltd., of Hong Kong, has purchased a polyester fiber plant in Andersonville, NC, from Meinhard-Commercial, Inc.

The plant was formerly owned by Clarence L. Meyers & Company Inc., and was acquired last year by Meinhard. It has been leased by Tolaran since January 4th, 1982.

The new owners will concentrate on polyester POY and polypropylene yarns, particularly specialty yarns, for both domestic and export sales.

BROAD WOVEN GOODS PRODUCTION

During 1980 the Census Bureau changed from collecting broad woven data in linear yards to collecting them in square yards. The tables on pages 3-5 show 1980 and the first two quarters of 1981 data on the basis of million square yards, the way the Census Bureau is currently collecting broad woven data. The tables on pages 7-9 show similar broad woven data for 1979 and 1980 on a million linear yard basis.

Cotton broad woven fabric production during the second quarter of 1981 totaled 947.0 million square yards, a decline of 2½% from first quarter 1981 production and 20% less than the corresponding 1980 period. For the first six months of 1981, production totaled 1,918.5 million square yards, 20% less than the 2,408.6 million square yards produced during the first half of 1980.

As compared with the second quarter of 1980, duck & allied fabrics and blanketing were the only categories to post a gain in the latest quarter. On a percentage basis, sheeting was off 13%, print cloth was off 27%, denims were off 22% and corduroys were off 35% as compared with second quarter 1980 production.

Production of woolen & worsted fabrics in the latest quarter totaled 57.7 million square yards, 1% less than first quarter 1981 production and 3½% below that produced during the second quarter of 1980. For the first six months of 1981, production of woolen & worsted fabrics totaled 116.1 million square yards as compared with 117.9 million square yards during the first half of 1980.

Man-made fiber broad woven fabric production during the second quarter of 1981 totaled 2,971.0 million square yards, ½% less than the 2,985.2 million square yards produced the previous quarter, but 12% more than second quarter 1980 production of 2,663.3 million square yards. For the year to date, man-made fiber broad

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION *(Continued)*

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% SPUN YARN FABRICS & BLENDS	**1498.9**	**1453.4**	**1373.2**	**1574.1**	**5899.6**	**1604.0**	**1627.9**					
SPUN RAYON AND/OR ACETATE[f]	98.2	90.3	84.8	100.3	373.6	174.0	176.8					
SPUN ACRYLIC-MODACRYLIC[f]	3.9	4.5	5.2	4.7	18.3	2.9	4.5					
SPUN NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5					
100% SPUN POLYESTER[f]	56.3	51.8	56.7	54.8	219.6	78.3	77.0					
PRINT CLOTH YARN	13.8	16.5	18.0	12.6	60.9	11.2	13.7					
ALL OTHER	42.5	35.3	38.7	42.2	158.7	67.1	63.3					
SPUN POLYESTER BLENDS WITH COTTON[f]	1117.1	1086.5	1025.0	1100.1	4328.7	1105.8	1080.3					
BATISTE	71.2	69.5	65.6	74.8	281.1	77.2	72.4					
BED SHEETING	415.9	420.0	373.7	402.9	1612.5	404.3	398.4					
BROADCLOTH	120.8	98.0	90.0	93.3	402.1	80.4	80.8					
CORDUROY	19.6	22.6	21.2	24.0	87.4	17.9	18.6					
DENIM						9.0	7.4					
OXFORDS												
SHIRTING	6.1	6.6	6.5	12.2	31.4	12.8	11.4					
OTHER (INCL. HOPSACKS)	12.8	12.0	14.2	15.3	54.3	13.2	13.1					
POPLINS	55.7	68.4	60.9	60.5	245.5	50.2	64.7					
PRINT CLOTH YARN												
PLAIN PRINT CLOTH[g]	156.2	145.2	152.8	104.2	533.8	187.1	172.1					
ALL OTHER	12.3	15.9			52.7							
SATEENS	24.1	22.9	22.0	24.0	92.9	15.8	10.8					
TWILLS INCL. GABARDINE												
HEAVIER THAN 2.5 YD/LB	30.6	28.6	31.8	30.2	121.2	29.9	40.3					
2.5 YD/LB & LIGHTER	62.1	56.8	48.9	67.0	234.8	68.1	60.8					
YARN DYED[h]	77.6	72.0	66.1	69.2	284.9	62.2	64.5					
ALL OTHER[i]	56.7	57.3	59.0	69.8	242.8	69.3	66.0					
SPUN POLYESTER BLENDS WITH WOOL[f]	21.4	11.3	13.4	14.3	60.4	12.0	12.3					
SPUN POLYESTER BLENDS WITH RAYON[f]	147.7	140.4	141.2	167.0	596.3	177.2	197.7					
PLAIN PRINT CLOTH	89.8	89.8	88.0	100.4	368.0	115.8	118.9					
OTHER PRINT CLOTH	18.8	17.4	53.2	66.6	57.1	61.4	78.8					
ALL OTHER	39.1	33.2			171.2							
SPUN POLYESTER BLENDS WITH OTHER FIBERS[f]	16.0	7.8	14.8	15.4	54.0	15.3	15.0					
SPUN POLYESTER BLANKETING	13.8	11.7	14.2	11.0	50.7	10.2	13.9					
SPUN ACRYLIC-MODACRYLIC BLANKETING	18.1	19.8	17.4	15.7	71.0	14.4	16.9					
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	12.3	10.1	9.0	12.4	43.8	4.6	4.6					
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**215.6**	**170.9**	**160.4**	**216.9**	**763.8**	**246.3**	**246.4**					
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	33.0					
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	76.1					
ALL OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0					
SPUN WARP WITH FILAMENT FILLING	101.1	68.6	75.3	97.3	313.2	129.3	135.3					
COMBINATION FILAMENT & SPUN WARP OR FILLING	20.7	20.0			69.8							
OTHER SPECIALTY FABRICS	**92.8**	**83.3**	**75.1**	**77.3**	**328.5**	**99.0**	**96.8**					
DRAPERY & BEDSPREAD[j]	54.1	51.7	48.9	43.7	198.4	65.0	60.4					
JACQUARD WOVEN	2.2	1.5	1.5	1.3	6.5	2.8	3.3					
OTHER WOVEN	51.9	50.2	47.4	42.4	191.9	62.2	57.1					
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.6					
VELVETS, PLUSHES & OTHER PILE	4.1	4.3	3.9	3.9	16.2	3.8	3.9					
UPHOLSTERY & TAPESTRY	29.9	23.0	18.2	26.0	97.1	28.9	30.9					
ALL OTHER[k]	2.7	3.0	2.8	2.2	10.7							
TOTAL MAN-MADE FIBER FABRICS ABOVE	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**4015.1**	**3975.7**					

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. Included in Other 100% Filament Yarn below.

b. Includes marquisettes, ninons, sheers, industrials and twills.

c. Includes marquisettes, ninons, sheers, industrials, taffetas and satins.

d. Includes household fabrics (marquisettes, drapery, upholstery, etc.)

e. Includes filament combinations, chiefly rayon, and saran & olefin. Also includes 100% filament acetate (except taffetas) for 1981.

f. Except blanketing.

g. Includes carded broadcloth.

h. Includes overdyed fabrics.

i. Includes seersucker and piece dyed pattern fabrics.

j. Except glass.

k. Includes tie, twisted paper yarn and girdle & swimwear fabrics.

woven fabric production totals 5,956.2 million square yards, 9½% above the 5,444.1 million square yards produced during the first six months of 1980.

Most categories of man-made fiber broad woven fabrics are at levels above second quarter 1980. The largest percentage increases were shown by rayon & acetate spun yarn fabrics, up 96%; nylon spun yarn fabrics, up 105%; and polyester/rayon blend fabrics, up

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS[a]

MILLION POUNDS

YARN	1979					1980					1981	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT												
RAYON, ACETATE & TRIACETATE	31.3	28.0	25.9	27.2	113.0	34.3	33.4	27.0	31.0	125.7	35.4	36.0
NYLON	106.8	98.8	87.4	106.3	399.3	104.4	83.2	81.7	94.6	363.9	98.5	87.2
POLYESTER	126.9	119.5	102.6	107.2	456.2	124.8	110.8	103.0	125.4	464.0	139.6	145.6
TEXTILE GLASS	42.5	41.8	39.6	42.9	166.6	53.8	40.7	35.3	37.7	167.5	42.0	39.6
OLEFIN & SARAN	65.5	67.9	60.0	94.1	295.5	74.0	67.8	74.0	112.0	318.8	107.3	82.2
ALL OTHER	5.4	5.1	5.0	2.9	12.4	4.6	2.8			10.4		
TOTAL FILAMENT YARN ABOVE	**376.2**	**359.7**	**322.5**	**374.6**	**1433.0**	**395.7**	**338.8**	**321.6**	**401.3**	**1457.4**	**420.8**	**388.6**
SPUN YARN												
100% COTTON	375.4	361.0	335.1	343.5	1414.7	364.8	348.0	311.7	331.2	1356.3	322.1	331.2
100% WOOL	11.0	10.0	6.7	6.8	35.1	9.4	10.0	6.3	8.4	34.1	12.3	12.9
100% ACRYLIC	6.2	6.6	4.8	5.4	23.0	6.7	8.0	7.4	6.5	28.6	5.0	6.1
100% POLYESTER	40.8	47.9	35.0	42.1	165.4	45.4	35.1	30.8	27.8	137.1	40.7	40.5
RAYON AND/OR ACETATE[b]	35.0	34.7	20.8	29.1	120.2	29.7	22.0	21.4	24.0	97.7	27.8	26.6
POLYESTER COTTON BLENDS[c]	310.3	311.0	296.5	324.2	1242.0	350.6	355.5	326.3	335.2	1372.0	330.5	324.7
POLYESTER WOOL BLENDS[c]	6.0	6.1	5.2	3.7	21.0	5.1	6.0	5.5	5.0	22.2	6.4	6.8
POLYESTER RAYON BLENDS[c]	35.4	35.2	31.0	33.8	136.0	35.4	39.4	36.9	45.7	157.4	37.8	39.3
TOTAL SPUN YARN ABOVE	**830.8**	**812.5**	**753.3**	**790.4**	**3187.0**	**854.1**	**824.6**	**744.3**	**783.0**	**3206.0**	**783.1**	**787.7**
ALL OTHER YARNS[d]	**22.9**	**22.2**	**21.0**	**20.5**	**86.6**	**28.6**	**24.0**	**24.5**	**31.5**	**108.6**	**28.7**	**28.0**
GRAND TOTAL	**1229.9**	**1194.4**	**1096.8**	**1185.5**	**4706.6**	**1278.4**	**1187.4**	**1090.4**	**1215.8**	**4772.0**	**1232.6**	**1204.3**

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T*.

a. Includes data from all types of broad woven fabric mills, i.e., cotton, man made, woolen & worsted and tire cord & fabric mills.

b. Includes 100% spun rayon and acetate as well as rayon and/or acetate/cotton blends, regardless of blend level.

c. Regardless of blend level.

d. All Other Yarns includes spun nylon, other blends, silk and paper.

TIRE CORD & TIRE CORD FABRICS PRODUCTION

MILLION POUNDS

TYPE OF FABRIC	1979					1980					1981	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
TIRE CORD & TIRE FABRICS												
NYLON	78.5	70.0	63.1	80.3	292.0	76.0	58.2	57.6	72.5	264.3	86.9	75.7
POLYESTER	60.6	54.4	40.6	38.9	194.5	47.0	31.4	35.0	48.3	161.7	55.2	54.9
RAYON	6.7	7.2	4.8	5.1	23.8	6.1	5.3	8.1	7.9	16.8	4.0	3.8
GLASS	7.6	6.1	4.5	3.4	21.6	5.1	4.1			19.8	5.1	6.4
CHAFER & OTHER[a]	9.3	10.0	7.4	7.0	33.7	7.7	6.4	7.6	8.2	29.9	11.1	7.7
TOTAL TIRE CORD & TIRE CORD FABRICS	**162.5**	**148.6**	**120.4**	**134.7**	**566.2**	**141.9**	**105.4**	**108.3**	**136.9**	**492.5**	**162.3**	**148.5**

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T*.

a. Includes a nominal amount of cotton and some steel.

41%. Polyester/cotton blend fabric production, at 1,096.3 million square yards, was ½% below year-ago levels.

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS

During the second quarter of 1981, broad woven fabric mills consumed 1,204.3 million pounds of yarn, according to the U.S. Census Bureau. This represents a decrease of 2½% from first quarter 1981 consumption of 1,232.6 million pounds, but 1½% more than the 1,187.4 million pounds these mills consumed during the corresponding 1980 quarter.

Filament yarn consumption during the second quarter of 1981 totaled 388.6 million pounds, 7½% below the 420.8 million pounds consumed during the first quarter of 1981 but 15% above the 338.8 million pounds used during the second quarter of 1980. Consumption of polyester and cellulosic filament yarns were the only categories to increase between the first and second quarters of 1981. Consumption of olefin, saran and other filament yarns declined 23% (to 82.2 million pounds) between the first and second quarters of this year.

April-June 1981 consumption of spun yarn, at 787.7 million pounds, though slightly above the 783.1 million pounds consumed the previous quarter, was 4½% below the 824.6 million pounds used during the corresponding 1980 quarter. Except for cellulosic spun yarn and

BROAD WOVEN GOODS PRODUCTION

MILLION LINEAR YARDS

TYPE OF FABRIC	1979 1ST Q	1979 2ND Q	1979 3RD Q	1979 4TH Q	1979 YEAR	1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1980 YEAR
COTTON FABRICS	**1017.7**	**998.3**	**914.4**	**927.1**	**3857.5**	**1006.6**	**971.6**	**809.3**	**875.7**	**3663.2**
DUCK & ALLIED FABRICS	25.3	24.1	22.3	23.8	95.5	21.4	19.2	15.9	13.2	69.7
SHEETING & ALLIED FABRICS	165.3	165.3	154.1	144.0	628.7	150.0	146.9	111.6	125.8	534.3
PRINT CLOTH YARN FABRICS	390.1	375.9	328.0	327.5	1421.5	365.2	354.9	290.0	332.3	1342.4
TOWELING, WASH & DISH CLOTHS	137.9	133.4	123.3	129.7	524.3	130.1	122.9	109.6	125.0	487.6
BLANKETS & BLANKETING	5.4	4.8	4.7	5.4	20.3	5.9	5.5	5.8	6.2	23.4
OTHER NAPPED FABRICS	18.7	20.3	17.1	17.0	72.9	17.8	14.1	11.4	13.3	56.6
FINE COTTON FABRICS	24.1	24.4	22.6	26.1	97.2	24.5	21.9	20.7	12.5	79.6
CORDUROYS	70.5	70.2	69.0	75.3	285.0	86.7	78.3	65.3	59.9	290.2
UPHOLSTERY & TAPESTRY	1.9	2.1	1.9	2.4	8.3	2.1	3.4	2.0	2.3	9.8
VELVETS	3.1	3.0	2.0	3.0	11.1	3.4	2.9	2.6	2.6	11.5
DRAPERY & BEDSPREAD FABRICS	14.7	13.4	13.2	12.7	54.0	13.1	13.4	7.5	9.8	43.8
CARDED COLORED YARN FABRICS	156.7	158.1	152.9	156.8	624.5	182.7	188.2	166.9	172.8	714.3
ALL OTHER FABRICS	4.0	3.5	3.3	3.4	14.2	3.7				
WOOLEN & WORSTED FABRICS[a]	**33.8**	**31.6**	**24.9**	**25.8**	**116.1**	**34.1**	**35.1**	**24.2**	**25.7**	**119.1**
MEN'S & BOYS' CLOTHING	13.3	12.4	9.0	11.3	46.0	18.9	17.9	11.4	12.2	60.4
WOMEN'S & CHILDREN'S CLOTHING	13.9	13.7	11.1	9.8	48.5	11.5	13.4	9.7	10.1	44.7
NONAPPAREL FABRICS	6.6	5.5	4.8	4.7	21.6	3.7	3.8	3.1	3.4	14.0
MAN-MADE FABRICS	**1701.6**	**1681.5**	**1559.6**	**1642.6**	**6585.3**	**1761.6**	**1681.3**	**1603.2**	**1897.2**	**6943.3**
100% FILAMENT YARN FABRICS										
100% ACETATE	75.1	80.5	78.7	78.7	313.0	61.5	68.7	65.5	74.4	270.1
COMBINATIONS, CHIEFLY ACETATE	8.2	8.6	9.4	9.2	35.4	8.9	9.0	8.4	10.0	36.3
100% RAYON	3.9	4.1	3.9	4.2	16.1	5.4	5.7	5.2	6.3	22.6
100% NYLON	112.0	107.4	103.7	106.4	429.5	114.4	108.5	92.0	101.2	416.1
100% POLYESTER	151.0	148.0	136.6	142.3	578.8	151.8	168.1	156.9	181.3	658.1
COMBINATIONS, CHIEFLY POLYESTER	15.2	17.1	15.4	11.0	59.5	12.4	11.7	12.4	11.0	47.5
TEXTILE GLASS	86.3	82.0	79.4	87.6	335.3	101.1	85.3	70.8	87.2	344.4
OTHER	138.6	140.9	152.0	200.6	632.1	173.1	154.2	172.9	233.3	733.5
100% SPUN YARN FABRICS & BLENDS										
100% RAYON & ACETATE	25.6	23.3	20.1	20.8	89.8	81.4	78.3	73.1	148.9	381.7
RAYON & ACETATE BLENDS WITH OTHER FIBERS	63.9	61.0	58.2	61.9	245.0					
ACRYLIC & MODACRYLIC	4.5	3.0	1.6	2.9	12.0	2.4	2.7	3.1	3.2	11.4
NYLON	1.5	1.6	1.5	1.9	6.5	3.2	3.8	3.3	3.8	14.1
100% POLYESTER	48.0	44.6	38.7	37.3	168.6	32.0	28.8	29.3	30.2	120.3
POLYESTER WITH COTTON	656.2	649.4	598.0	586.3	2489.9	666.7	655.2	607.6	662.8	2590.3
POLYESTER WITH WOOL	11.5	10.2	7.8	7.4	36.9	6.9	6.7	8.0	8.8	30.4
POLYESTER WITH RAYON	113.8	116.4	90.4	91.0	411.6	112.3	106.5	108.9	118.0	445.7
POLYESTER WITH OTHER FIBERS	11.2	11.1	6.6	8.6	37.5	12.6	5.7	11.0	11.8	41.1
BLANKETING[b]	17.3	18.0	16.2	16.3	67.8	16.2	17.1	16.8	16.1	66.2
ALL OTHER	9.2	8.9	8.4	8.8	35.3	8.3	6.8	6.0	8.5	29.6
COMBINATIONS & MIXTURES[c]										
FILAMENT RAYON OR ACETATE WARP[d]	11.3	12.0	11.0	12.4	46.7	10.0	10.7	12.2	21.2	54.1
FILAMENT POLYESTER WARP	33.4	35.5	32.5	40.9	142.3	41.8	36.7	39.0	50.3	167.8
OTHER FILAMENT WARP[e]	5.3	4.5	3.0	3.2	16.0	4.8	2.7	1.2	1.8	10.5
OTHER	32.0	31.6	30.9	43.9	138.4	65.4	48.3	41.4	51.9	207.0
SPECIALTY FABRICS										
DRAPERY & BEDSPREAD	36.6	32.8	31.6	32.2	133.2	39.6	37.9	37.0	31.0	145.5
SILK	0.2	0.2	0.1	0.2	0.7	1.9	1.1	1.2	1.4	5.6
UPHOLSTERY & TAPESTRY	22.9	22.7	18.7	20.6	84.9	21.2	16.4	14.0	17.4	69.0
VELVETS	3.2	3.2	2.8	3.0	12.2	3.7	3.8	3.4	3.4	14.3
OTHER SPECIALTY[f]	2.8	2.9	2.4	2.4	10.5	2.6	2.9	2.6	2.0	10.1
TOTAL BROAD WOVEN FABRICS ABOVE	**2753.1**	**2711.4**	**2498.9**	**2595.5**	**10558.9**	**2802.3**	**2688.0**	**2436.7**	**2798.6**	**10725.6**

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T*.

[a] Felts are not included.

[b] Acrylic, modacrylic and polyester.

[c] Includes filament & spun yarn fabrics.

[d] Only acetate for 1979.

[e] Contains rayon for 1979.

[f] 100% or chiefly man-made fibers, chief fiber not specified. Also includes small poundages of tie, girdle & swimwear and twisted paper yarn fabrics.

polyester/cotton blend yarn, all other spun yarn categories recorded consumption gains during the second quarter of 1981 as compared with the first quarter.

BROAD WOVEN CONVERSION FACTORS

The table on page 10 shows the linear yards/square yards and square yards/linear yards conversion factors

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION

MILLION LINEAR YARDS

TYPE OF FABRIC	1979					1980				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
100% FILAMENT YARN FABRICS	591.2	588.6	579.1	640.6	2399.5	628.6	611.2	584.1	704.7	2528.6
100% FILAMENT ACETATE	79.1	80.5	76.7	76.7	313.0	61.5	56.7	65.9	71.0	270.1
TAFFETAS (PLAIN WEAVE)										
75 DENIER WARP	12.7	13.8	12.9	14.5	53.8	10.5	11.1	8.2	7.1	36.7
150 DENIER WARP	10.5	15.9	14.2	14.0	50.5	6.6	7.0	7.7	8.5	29.2
ALL OTHER	7.1	9.2	19.2	8.8	25.3	10.9	13.1	24.0	25.0	73.0
SATINS										
75 DENIER WARP	24.3	23.9	23.8	21.7	90.2	8.4	14.9	6.3	9.0	38.4
ALL OTHER	10.4	10.5	5.7	4.0	21.8					
ALL OTHER[a]	18.3	15.4	17.0	14.0	59.2	25.9	22.4	20.1	24.1	92.5
FILAMENT COMB., CHIEFLY ACETATE	8.2	9.5	9.6	8.2	35.4	8.0	9.9	8.4	10.0	36.3
PLIED YARN	2.0	2.3	1.5	0.7	6.5	2.5	2.8	5.6		12.6
CREPES[b] & CREPE SATINS	5.2	10.0	5.4	6.0	20.5	5.8	5.2		10.0	20.0
ALL OTHER			1.7	1.8		1.1	1.0			3.5
100% FILAMENT RAYON	5.9	4.1	3.9	4.2	18.1	5.4	6.7	5.2	5.5	22.9
TWILLS	2.8	2.6	c	c	10.8	4.0	1.9	4.3	5.0	18.5
TAFFETAS (PLAIN WEAVE)	0.9	0.7	0.7	0.8	2.7	0.7	1.3	0.8	0.7	4.1
ALL OTHER[c]	0.6	0.8	3.2	3.4	8.1	0.8				
100% FILAMENT NYLON	112.0	107.4	103.7	100.4	429.7	114.4	108.5	92.0	101.2	416.1
TAFFETAS (PLAIN WEAVE)										
50 & 70 DENIER	35.2	34.0	30.0	40.2	135.3	37.0	43.0	38.3	42.2	160.0
ALL OTHER	40.1	24.8	30.0	36.5	133.1	24.0	20.7	20.1	10.9	75.5
TWILLS & SATINS	4.0	3.2	2.9	2.4	12.1	3.0	2.8	2.2	2.3	10.3
MARQUISETTES, NINONS & OTHER SHEERS	c	c	c	c	c					
INDUSTRIAL TYPE	47.3	40.5	40.0	40.5	157.3	45.0	48.7	31.4	45.7	151.8
ALL OTHER	7.4	5.8	3.8	8.2	24.0	3.6	3.3	3.0	6.1	16.0
100% FILAMENT POLYESTER	151.6	148.0	136.2	142.8	578.8	151.8	106.1	150.0	181.3	558.1
TEXTURED YARN										
UP TO 4 oz. sq.yd.	37.2	32.0	29.4	28.8	127.4	24.0	29.1	29.7	20.7	113.1
4 oz & OVER sq.yd.	69.5	64.5	59.7	65.8	259.5	76.0	80.2	82.5	98.9	345.6
NONTEXTURED YARN										
INDUSTRIAL TYPE	10.1	10.7	10.9	12.5	44.5	11.5	9.9	8.3	8.7	38.0
MARQUIS., NINONS & OTHER SHEERS	35.4	36.8	33.6	34.0	137.8	31.8	32.1	32.6	37.8	134.3
TAFFETAS						5.5	8.2	5.0	0.8	20.9
ALL OTHER	3.2	4.2	2.0	1.8	9.3					
FILAMENT COMB., CHIEFLY POLYESTER	15.2	17.1	15.4	11.6	50.3	12.4	11.7	12.4	11.0	47.5
GLASS FIBER	86.3	82.0	79.4	87.6	335.3	101.7	85.3	70.8	87.2	344.4
INDUSTRIAL										
WOVEN ROVING & SCREENING	9.5	8.3	6.5	6.7	31.0	7.6	7.2	5.5	4.5	24.7
ALL OTHER[e]	76.8	73.7	72.9	80.9	304.3	93.6	78.1	65.3	82.7	319.7
OTHER 100% FILAMENT YARN[f]	138.0	140.9	152.0	200.0	632.1	173.3	154.2	172.9	233.3	733.5

See footnotes on opposite page.

for selected fabric types during 1980. The factors were derived by dividing the linear yard data from page 7 by the square yard data on page 3 and vice versa.

Using the average for the year 1980, the average width of cotton fabric produced was 44" (multiplying 36" by the square yards/linear yards ratio). This varied from 35" for toweling and 36" for denims to 55" for drapery and 61" for upholstery.

The average width of wool fabrics during 1980 was 61" and varied from 60" for apparel fabrics to 67" for nonapparel fabrics.

For man-made fabrics, the average width of the broad woven fabrics was 57". This varied from 41" for spun cellulosic fabrics to 69" for combination filament yarn fabrics with several fabric classifications around 60" wide.

U.S. COTTON CROP

The Crop Reporting Board of the U.S. Department of Agriculture reported that, as of January first, the 1981 (August 1981-July 1982) cotton crop was expected to total 15,733,200 bales of 480 pounds each, net weight. Thus, the 1981 crop is expected to be 4,611,100 bales, or 41%, more than the 11,122,100 bales produced in the 1980 crop year.

The harvested acreage for the 1981 cotton crop is estimated at 13,820,500 acres by the Board with an estimated yield of 546 pounds per acre.

CCC INVESTMENT & OPERATIONS

The table on page 13 shows the Commodity Credit Corporation's investment in raw cotton for each of eleven fiscal years. The data in the first six columns are for fiscal years ending June 30th, while those in the last six columns are for fiscal years ending September 30th. 1976 (the year the fiscal year was changed) is shown both under the old fiscal year, for comparison with earlier years' data, and the current fiscal year.

(Continued on page 10)

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION *(Continued)*

MILLION LINEAR YARDS

TYPE OF FABRIC	1979 1ST Q	1979 2ND Q	1979 3RD Q	1979 4TH Q	1979 YEAR	1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1980 YEAR
100% SPUN YARN FABRICS & BLENDS	**962.7**	**947.5**	**847.5**	**843.2**	**3600.9**	**942.0**	**909.6**	**867.1**	**1012.1**	**3730.8**
SPUN RAYON AND/OR ACETATE BLENDS[g]	65.9	61.0	58.2	61.9	247.0	62.0	60.4	58.7	133.3	314.4
WITH COTTON	55.4	52.6	49.5	52.1	209.6					
WITH OTHER FIBERS	10.5	8.4	8.7	9.8	37.4					
100% SPUN RAYON AND/OR ACETATE[g]	25.6	23.3	20.1	20.8	89.8					
TWILLS & SATINS	4.2	4.3	3.5	3.1	15.1					
ALL OTHER	21.4	19.0	16.6	17.7	74.7	19.4	17.9	14.4	15.6	67.3
SPUN NYLON	1.5	1.6	1.5	1.9	6.5	3.2	3.6	3.5	3.8	14.1
100% SPUN POLYESTER[g]						32.0	28.8	29.3	30.2	120.3
PRINT CLOTH YARN	49.0	44.0	39.7	37.3	170.0	10.2	10.7	11.3	8.8	41.0
ALL OTHER						21.8	18.1	18.0	21.4	79.3
SPUN POLYESTER BLENDS WITH COTTON[g]	650.2	649.4	596.0	586.5	2482.1	666.7	653.2	607.6	662.8	2590.3
BATISTE	50.6	46.3	44.2	42.4	183.5	52.7	47.2	47.7	52.1	199.7
BED SHEETING	192.3	191.8	176.8	186.3	747.2	188.2	174.0	166.7	181.2	710.1
BROADCLOTH	87.1	80.8	65.7	68.3	290.0	81.2	66.8	60.5	65.1	271.4
CORDUROY	11.0	12.0	12.3	11.2	47.8	14.6	17.4	15.5	19.6	67.1
VOILES	12.5	10.6	7.2	5.8	36.1					
OXFORDS										
SHIRTING	4.7	4.0	4.0	3.3	16.0	4.5	4.7	4.8	8.5	22.5
OTHER (INCL. HOPSACKS)	6.2	6.2	6.5	8.0	26.9	9.0	8.6	10.2	11.0	38.8
POPLINS										
60% OR MORE SPUN POLYESTER	33.4	32.5	33.2	30.6	129.7	37.7	40.3	41.1	40.7	159.8
LESS THAN 60% SPUN POLYESTER	5.7	5.9	4.1	2.2	17.9					
PRINT CLOTH YARN										
PLAIN PRINT CLOTH[h]	84.0	86.0	87.3	81.6	341.0	103.1	87.7	105.4	111.7	390.4
ALL OTHER	12.8	12.1	15.2	10.6	48.9	7.0	11.6			40.0
SATEENS	25.5	23.2	20.6	20.7	90.0	14.3	13.4	12.6	14.1	54.4
TWILLS & GABARDINE										
HEAVIER THAN 2 YD/LB	51.3	51.0	50.4	45.3	198.0	20.0	18.7	20.8	19.7	79.2
2 YD/LB & LIGHTER						41.5	38.0	34.1	43.5	157.1
YARN DYED[i]	40.7	44.0	39.4	42.5	166.6	53.8	50.3	47.1	45.7	196.9
PIECE DYED PATTERN	9.2	7.7	5.3	6.4	28.6	35.1	40.7	41.3	51.9	169.0
ALL OTHERS[j]	38.4	30.3	28.1	25.1	121.9					
SPUN POLYESTER BLENDS WITH WOOL[g]	11.5	10.2	7.8	7.4	36.9	6.9	6.7	8.0	8.8	30.4
SPUN POLYESTER BLENDS WITH RAYON[g]						112.3	106.5	108.9	118.0	445.7
PLAIN PRINT CLOTH	113.8	116.4	90.4	91.0	411.6	66.6	66.6	65.3	74.4	272.9
OTHER PRINT CLOTH						14.6	13.5	43.6	43.6	44.3
ALL OTHER						31.1	26.4			128.5
SPUN POLYESTER BLENDS WITH OTHER FIBERS[g]	11.2	11.1	6.6	8.6	37.5	12.6	5.7	11.0	11.8	41.1
SPUN POLYESTER BLANKETING	7.3	7.7	6.6	6.9	28.5	6.5	6.4	7.5	7.5	27.9
SPUN ACRYLIC+MODACRYLIC BLANKETING	10.0	10.3	9.6	9.4	39.3	9.7	10.7	9.3	8.6	38.3
OTHER SPUN ACRYLIC+MODACRYLIC	4.5	3.0	1.6	2.9	12.0	2.4	2.7	3.1	3.2	11.4
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	9.2	8.9	8.4	8.8	35.3	8.3	6.8	6.0	8.5	29.6
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**82.0**	**83.6**	**77.4**	**100.4**	**343.4**	**122.0**	**98.4**	**93.8**	**125.2**	**439.4**
FILAMENT RAYON OR ACETATE WARP[k]	11.3	12.0	11.0	12.4	46.7	10.0	10.7	12.2	21.2	54.1
FILAMENT POLYESTER WARP	33.4	35.5	32.5	40.9	142.3	41.8	36.7	39.0	50.3	167.8
ALL OTHER FILAMENT WARP[l]	5.3	4.5	3.0	3.2	16.0	4.8	2.7	1.2	1.8	10.5
SPUN WARP WITH FILAMENT FILLING	21.3	20.3	20.7	31.7	94.0	51.6	35.0	41.4	51.9	160.4
COMBINATION FILAMENT & SPUN WARP OR FILLING	10.7	11.3	10.2	12.2	44.4	13.8	13.3			46.6
OTHER SPECIALTY FABRICS	**65.7**	**61.8**	**55.6**	**58.4**	**241.5**	**69.0**	**62.1**	**58.2**	**55.2**	**244.5**
DRAPERY & BEDSPREAD[m]	36.6	32.8	31.6	32.2	133.2	39.6	37.9	37.0	31.0	145.5
JACQUARD WOVEN	1.2	1.6	1.5	1.6	5.9	1.6	1.1	1.1	1.0	4.8
OTHER WOVEN	35.4	31.2	30.1	30.6	127.3	38.0	36.8	35.9	30.0	140.7
SILK	0.2	0.2	0.1	0.2	0.7	1.9	1.1	1.2	1.4	5.6
UPHOLSTERY & TAPESTRY	22.9	22.7	18.7	20.6	84.9	21.2	16.4	14.0	17.4	69.0
VELVETS, PLUSHES & OTHER PILE	3.2	3.2	2.8	3.0	12.2	3.7	3.8	3.4	3.4	14.3
ALL OTHER[n]	2.8	2.9	2.4	2.4	10.5	2.6	2.9	2.6	2.0	10.1
TOTAL MAN-MADE FIBER FABRICS ABOVE	**1701.6**	**1681.5**	**1559.6**	**1642.6**	**6585.3**	**1761.6**	**1681.3**	**1603.2**	**1897.2**	**6943.3**

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. Includes marquisettes, ninons, sheers, industrials and twills.

b. Includes flat, faille and canton crepes.

c. Included in All Other 100% Filament Rayon below.

d. Includes marquisettes, ninons, sheers, industrials and satins. For 3rd and 4th quarters of 1979 only, includes twills.

e. Includes household fabrics (marquisettes, drapery, upholstery, etc.).

f. Includes filament combinations, chiefly rayon, and saran & olefin.

g. Except blanketing.

h. Includes carded broadcloth for 1980.

i. Includes overdyed fabrics.

j. Includes seersucker.

k. Only acetate for 1979.

l. Includes rayon for 1979.

m. Except glass.

n. Includes tie, twisted paper yarn and girdle & swimwear fabrics.

1980 BROAD WOVEN GOODS CONVERSION FACTORS

TYPE OF FABRIC	LINEAR YARDS/SQUARE YARDS 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	SQUARE YARDS/LINEAR YARDS 1ST Q	2ND Q	3RD Q	4TH Q	YEAR
COTTON FABRICS	**0.821**	**0.822**	**0.820**	**0.825**	**0.822**	**1.218**	**1.217**	**1.219**	**1.212**	**1.217**
DUCK & ALLIED FABRICS	0.751	0.750	0.729	0.767	0.749	1.332	1.333	1.371	1.304	1.336
SHEETING & ALLIED FABRICS	0.715	0.714	0.714	0.695	0.710	1.398	1.401	1.401	1.440	1.409
PRINT CLOTH YARN FABRICS	0.779	0.779	0.771	0.792	0.780	1.285	1.284	1.297	1.263	1.282
DENIMS	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
TOWELING, WASH & DISHCLOTHS	1.028	1.025	1.029	1.020	1.025	0.972	0.977	0.972	0.980	0.975
BLANKETING & OTHER NAPPED FABRICS	0.741	0.723	0.711	0.714	0.723	1.350	1.383	1.407	1.400	1.383
FINE COTTON FABRICS	0.721	0.711	0.711	0.714	0.715	1.388	1.406	1.406	1.400	1.399
CORDUROYS	0.690	0.692	0.700	0.682	0.691	1.449	1.446	1.429	1.466	1.447
UPHOLSTERY & TAPESTRY	0.583	0.596	0.571	0.622	0.594	1.714	1.676	1.750	1.609	1.684
VELVETS	0.872	0.853	0.839	0.867	0.858	1.147	1.172	1.192	1.154	1.165
DRAPERY & BEDSPREAD FABRICS	0.649	0.660	0.636	0.667	0.653	1.542	1.515	1.567	1.500	1.532
ALL OTHER FABRICS	3.200	4.000	1.656	1.320	2.016	0.313	0.250	0.604	0.757	0.496
WOOLEN & WORSTED FABRICS[a]	**0.587**	**0.587**	**0.589**	**0.587**	**0.587**	**1.704**	**1.704**	**1.698**	**1.704**	**1.703**
MEN'S & BOYS' CLOTHING	0.589	0.591	0.594	0.595	0.592	1.698	1.693	1.684	1.680	1.690
WOMEN'S & CHILDREN'S CLOTHING	0.599	0.601	0.599	0.598	0.599	1.670	1.664	1.670	1.673	1.669
NONAPPAREL FABRICS	0.544	0.528	0.544	0.531	0.536	1.838	1.895	1.839	1.882	1.864
MAN-MADE FABRICS	**0.633**	**0.631**	**0.637**	**0.630**	**0.633**	**1.579**	**1.584**	**1.570**	**1.587**	**1.580**
100% FILAMENT YARN FABRICS										
100% RAYON	0.857	0.851	0.867	0.887	0.866	1.167	1.175	1.154	1.127	1.155
COMBINATIONS, CHIEFLY ACETATE	0.718	0.720	0.706	0.719	0.716	1.393	1.389	1.417	1.390	1.397
100% NYLON	0.689	0.692	0.695	0.689	0.691	1.451	1.444	1.439	1.452	1.447
100% POLYESTER	0.611	0.604	0.606	0.605	0.606	1.638	1.656	1.649	1.659	1.651
COMBINATIONS, CHIEFLY POLYESTER	0.519	0.522	0.517	0.519	0.519	1.927	1.915	1.935	1.927	1.926
TEXTILE GLASS	0.878	0.871	0.828	0.936	0.879	1.139	1.148	1.208	1.069	1.138
100% ACETATE	0.756	0.751	0.750	0.755	0.753	1.322	1.332	1.333	1.324	1.328
OTHER	0.541	0.532	0.572	0.505	0.534	1.847	1.878	1.748	1.979	1.872
100% SPUN YARN FABRICS & BLENDS										
RAYON & ACETATE	0.846	0.869	0.862	0.929	0.885	1.182	1.151	1.160	1.077	1.130
ACRYLIC+MODACRYLIC	0.615	0.628	0.596	0.681	0.630	1.625	1.593	1.677	1.469	1.588
NYLON	0.615	0.623	0.635	0.605	0.618	1.625	1.605	1.576	1.658	1.617
100% POLYESTER	0.549	0.556	0.550	0.551	0.551	1.822	1.799	1.819	1.815	1.814
POLYESTER WITH COTTON	0.597	0.594	0.599	0.597	0.596	1.676	1.685	1.671	1.675	1.677
POLYESTER WITH WOOL	0.605	0.604	0.597	0.607	0.603	1.652	1.657	1.675	1.648	1.658
POLYESTER WITH RAYON	0.760	0.759	0.771	0.707	0.747	1.315	1.318	1.297	1.415	1.338
POLYESTER WITH OTHER FIBERS	0.759	0.760	0.759	0.766	0.761	1.317	1.316	1.318	1.305	1.314
BLANKETING[b]	0.542	0.543	0.532	0.561	0.544	1.846	1.842	1.881	1.783	1.838
ALL OTHER	0.675	0.673	0.667	0.685	0.676	1.482	1.485	1.500	1.459	1.480
COMBINATIONS & MIXTURES[c]										
FILAMENT RAYON OR ACETATE WARP	0.704	0.713	0.663	0.736	0.708	1.420	1.402	1.508	1.358	1.412
FILAMENT POLYESTER WARP	0.587	0.586	0.605	0.574	0.587	1.703	1.706	1.654	1.744	1.704
OTHER FILAMENT WARP	0.571	0.574	0.545	0.581	0.571	1.750	1.741	1.833	1.722	1.752
OTHER	0.537	0.545	0.550	0.533	0.540	1.862	1.834	1.819	1.875	1.850
SPECIALTY FABRICS										
DRAPERY & BEDSPREAD	0.732	0.733	0.757	0.709	0.733	1.366	1.364	1.322	1.410	1.364
SILK	0.950	0.846	0.923	0.933	0.918	1.053	1.182	1.083	1.071	1.089
VELVETS	0.902	0.884	0.872	0.872	0.883	1.108	1.132	1.147	1.147	1.133
UPHOLSTERY & TAPESTRY	0.709	0.713	0.769	0.669	0.711	1.410	1.402	1.300	1.494	1.407
OTHER[d]	0.963	0.967	0.929	0.909	0.944	1.038	1.034	1.077	1.100	1.059
TOTAL BROAD WOVEN FABRICS ABOVE	**0.689**	**0.688**	**0.687**	**0.680**	**0.686**	**1.451**	**1.453**	**1.455**	**1.471**	**1.457**

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. Felts are not included

b. Acrylic+modacrylic and polyester

c. Includes filament & spun yarn fabrics

d. 100% or chiefly man made fibers, chief fiber not specified. Also includes small poundages of tie, twisted paper yarn and girdle & swimwear fabrics

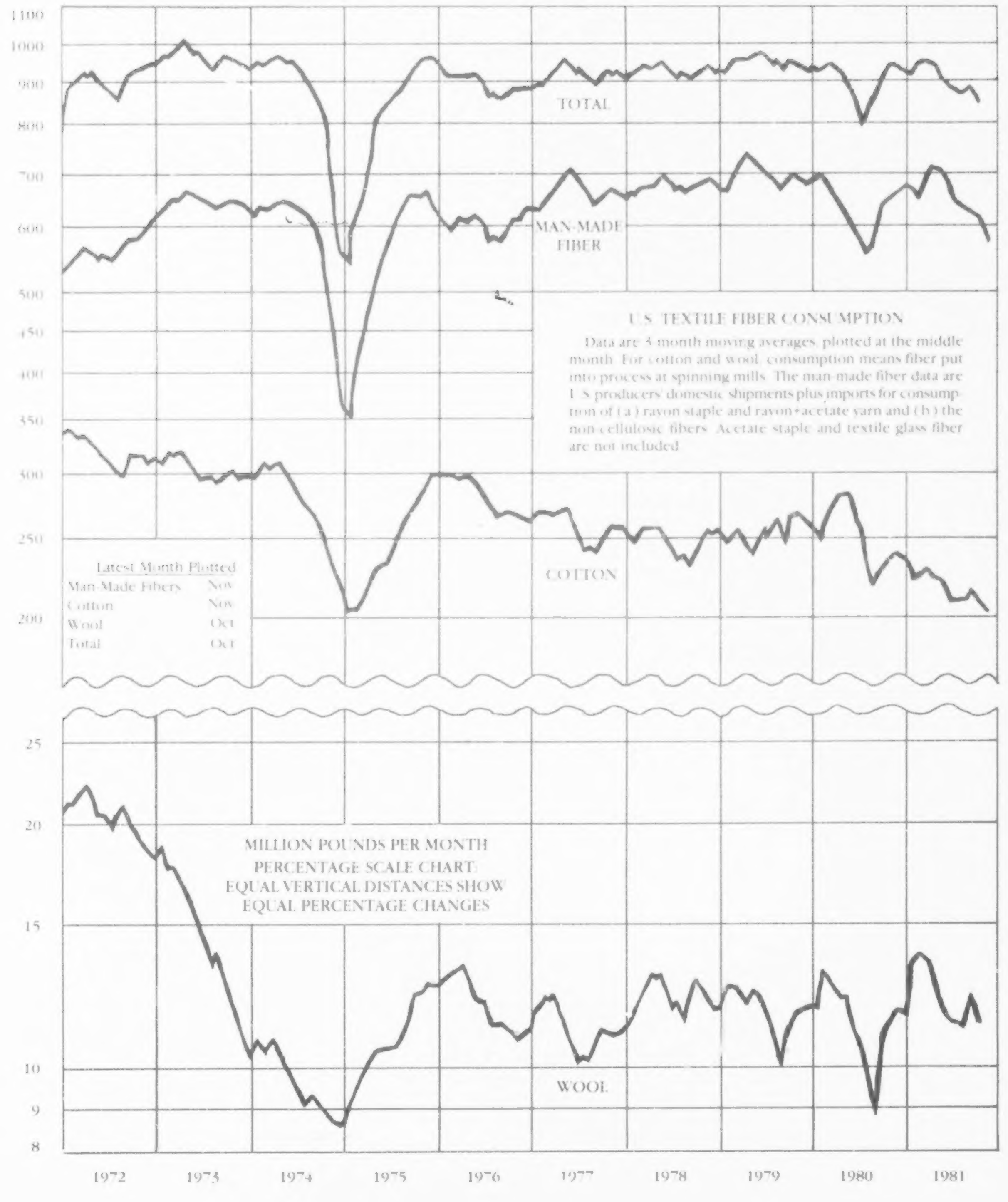
(Continued from page 8)

The tables on page 12 show the relevant costs to the U.S. Government of programs in support of price and/or consumption of American cotton and wool since the programs began in 1933. These programs are discussed in the October and December *Organon* issues each year.

The CCC has had no investment in wool since 1957, i.e., the wool price support monies shown in the upper page 12 table are paid directly to growers.

ANNUAL BOUND *Organon* ISSUE

A limited number of bound copies of the 1981 *Textile Organon,* Volume LII, will be available at $50.00 each (postpaid). Remittance with the order please.



U.S. TEXTILE FIBER CONSUMPTION

Data are 3 month moving averages, plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man-made fiber data are U.S. producers' domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.

Latest Month Plotted	
Man-Made Fibers	Nov
Cotton	Nov
Wool	Oct
Total	Oct

MILLION POUNDS PER MONTH
PERCENTAGE SCALE CHART:
EQUAL VERTICAL DISTANCES SHOW
EQUAL PERCENTAGE CHANGES

1100
1000
900
800
700
600
500
450
400
350
300
250
200
25
20
15
10
9
8
TOTAL
MAN-MADE FIBER
COTTON
WOOL
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981

COMMODITY CREDIT CORPORATION'S REALIZED LOSSES OR GAINS (+) ON TEXTILE FIBER & PRODUCT PROGRAMS OCTOBER 1933 TO DATE

THOUSAND DOLLARS

CCC FISCAL YEARS ENDING SEPT 30TH	SINGLE YEARS								48 YEARS	22 YEARS	5 YEARS	5 YEARS	16 YEARS
	1975[a]	1976[a]	1976[b]	1977[b]	1978[b]	1979[b]	1980[b]	1981[b]	1933-1981[b]	1934-1955	1956-1960	1961-1965	1966-1981[b]
COTTON - UPLAND & LONG STAPLE													
INVENTORY & LOAN OPERATIONS[c]	+2	+91	+91	+50	947	470	229	3,899	2,340,859	+232,173	1,079,751	549,967	943,314
SET ASIDE PAYMENTS													
DIRECT PAYMENTS[d]	130,996	119,945	126,219	95,702	85,487	216,607	103,069	300,886	6,959,864	0	0	51,215	6,908,649
ACREAGE DIVERSION[e]	0	0	0	0	0	0	0	0	803,634	0	0	0	803,634
SMALL FARMS PROGRAM	0	0	0	0	0	0	0	0		0	0	0	
EQUALIZATION PROGRAM[f]	0	0	0	0	0	0	0	0	850,111	0	0	497,575	352,536
EXPORT PAYMENTS													
COTTON	0	0	0	0	0	0	0	0	836,593	102	243,226	464,982	+7
COTTON PRODUCTS	0	0	0	0	0	0	0	0			61,514	66,776	0
COTTON RESEARCH & PROMOTION	2,903	1,016	2,946	0	+13	0	0	0	28,836	0	0	0	28,836
TOTAL COTTON ABOVE	**133,897**	**120,870**	**129,074**	**95,652**	**86,421**	**217,077**	**103,298**	**304,785**	**11,819,897**	**+232,071**	**1,384,491**	**1,630,515**	**9,036,962**
COTTONSEED & PRODUCTS[g]	0	0	0	0	0	0	0	0	198,023	81,100	53,747	27,030	36,146
TOTAL COTTON PROGRAMS	**133,897**	**120,870**	**129,074**	**95,652**	**86,421**	**217,077**	**103,298**	**304,785**	**12,017,920**	**+150,971**	**1,438,238**	**1,657,545**	**9,073,108**
WOOL PRICE SUPPORT[h]	**14,647**	**41,577**	**41,826**	**6,823**	**28,829**	**36,085**	**30,989**	**37,570**	**1,289,783**	**93,428**	**288,314**	**202,682**	**705,359**
GRAND TOTAL ABOVE	**148,544**	**162,447**	**170,900**	**102,475**	**115,250**	**253,162**	**134,287**	**342,355**	**13,307,703**	**+57,543**	**1,726,552**	**1,860,227**	**9,778,467**

SOURCE: *CCC Report of Financial Condition and Operations*, U.S. Department of Agriculture

a. Old fiscal year ending June 30th (12 calendar months in 1976).

b. New fiscal year ending September 30th (15 calendar months in 1976).

c. Inventory Operations means sales less the cost of sales and less storage, handling & transportation expense.

d. Direct Payments means cash or in kind price support payments to farmers.

e. Diversion Payments means payments to farmers for acreage diversions under the 1966-1968 Upland programs.

f. The Equalization Program, which began April 11, 1964, was mainly replaced by other programs as of August 1, 1966.

g. Data for 1953-1955 include cottonseed meal under the Emergency Feed Program.

h. Data through 1956 include price support programs only. For 1957 forward, incentive payments are also included in the year in which they became payable.

COMMODITY CREDIT CORPORATION'S REALIZED LOSSES OR GAINS (+) AMOUNTS TO BE REIMBURSED TO THE CCC UNDER P.L. 480 & EXPORT CREDIT SALES

THOUSAND DOLLARS

CCC FISCAL YEARS ENDING SEPT 30TH	SINGLE YEARS								48 YEARS	22 YEARS	5 YEARS	5 YEARS	16 YEARS
	1975[a]	1976[a]	1976[b]	1977[b]	1978[b]	1979[b]	1980[b]	1981[b]	1933-1981[b]	1934-1955	1956-1960	1961-1965	1966-1981[b]
COTTON PROGRAMS[c] - BEGAN 1933	133,897	120,870	129,074	95,652	86,421	217,077	103,298	304,785	11,819,897	+232,071	1,384,491	1,630,515	9,036,962
PUBLIC LAW 480													
FOREIGN CURRENCIES[d]	0	0	0	0	0	0	0	0	2,239,665	10,193	848,900	902,853	477,719
DOLLAR CREDIT[e]	14,769	28,894	54,533	17,726	9,891	14,260	11,503	12,657	720,808	0	0	67,987	652,821
DISASTER OR OTHER RELIEF[d]	+1	0	0	0	0	0	0	0	19,389	999	14,361	3,540	489
TOTAL P.L. 480	**14,768**	**28,894**	**54,533**	**17,726**	**9,891**	**14,260**	**11,503**	**12,657**	**2,979,862**	**11,192**	**863,261**	**974,380**	**1,131,029**
EXPORT CREDIT SALES	**97,435**	**244,879**	**324,863**	**98,546**	**229,823**	**248,765**	**52,027**	**210**	**1,634,772**	**0**	**0**	**68,000[f]**	**1,566,772**
TOTAL COTTON PROGRAM, P.L. 480 & EXPORT CREDIT SALES COST	**246,100**	**394,643**	**508,470**	**211,924**	**326,135**	**480,102**	**166,828**	**317,652**	**16,434,531**	**+220,879**	**2,247,752**	**2,672,895**	**11,734,763**

SOURCE: *CCC Report*, same as above.

a. Old fiscal year ending June 30th (12 calendar months in 1976).

b. New fiscal year ending September 30th (15 calendar months in 1976).

c. The Cotton Programs' data are from the table above.

d. Program began in 1954.

e. Program began in 1961.

f. Partially estimated.

COMMODITY CREDIT CORPORATION INVESTMENT IN RAW COTTON[a] AS OF SEPTEMBER 30TH

COMMODITY	1970[b]	1971[b]	1972[b]	1973[b]	1974[b]	1975[b]	1976[b]	1976	1977	1978	1979	1980	1981
	THOUSAND BALES												
LONG STAPLE	79	39	44	10	7	30	4	*	*	16	12	2	21
UPLAND	3,428	649	278	319	362	1,131	172	30	68	720	353	154	303
TOTAL	3,507	688	322	329	369	1,161	176	30	68	736	365	156	324
	THOUSAND DOLLARS[c]												
LONG STAPLE	18,904	8,971	9,219	1,944	1,259	7,296	57	4	50	6,006	4,789	830	9,750
UPLAND	376,289	70,658	19,676	24,521	32,780	135,534	24,354	3,931	13,068	147,411	75,465	35,412	66,383
TOTAL	395,193	79,629	28,895	26,465	34,039	142,830	24,411	3,935	13,118	153,417	80,254	36,242	76,133

SOURCE: CCC *Report of Financial Condition and Operations*, U.S. Department of Agriculture, Agricultural Stabilization & Conservation Service.

For earlier years' data, see October 1975, 1965, 1963 and 1958 *Organon* issues.

a. Includes the quantity and value of each commodity as pledged for outstanding loans plus that held in price support inventory.

b. As of June 30th, end of old fiscal year. See text below.

c. Book value before the deduction of reserve for losses.

PER CAPITA AVAILABILITY

The table to the right shows the per capita availability of man-made fibers, cotton and wool for the most recent periods. It is similar to the table published on page 43 of the March 1981 *Organon* issue.

The population figures for 1970-1979 have been revised, based on the 1980 Census, to smooth out the series. The upward revision in population for these years has resulted in a lower per capita availability of fiber. Thus for 1979, the per capita availability is now 57.5 pounds per person as opposed to 58.7 pounds per person as originally published in the March 1981 issue.

"MAN-MADE FIBER REVIEW"

A new publication of the Textile Economics Bureau, Inc., debuted last September.

Designed to provide up-to-the-minute coverage of the U.S. man-made fiber industry, the new monthly is published on or about the 17th of each month and features the monthly data familiar to subscribers of the "Man-Made Fiber Producers' Handbook."

The four-page publication presents more detailed information than generally found in the *Organon's* familiar "back page." This includes monthly data on production, exports, domestic shipments by denier, etc.

The annual subscription rate is $250.

Organon readers are invited to request a copy of the *Review* at no charge.

AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - POUNDS

		PER CAPITA			
PERIOD[a]	POPULATION	MAN-MADE FIBER	COTTON	WOOL	TOTAL
	(41)	(42)	(43)	(44)	(45)
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.1	35.3	18.9	1.2	55.4
1975-1979	219.2	39.5	15.7	0.9	56.1
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	204.9	27.8	19.7	1.7	49.2
1971	206.8	33.0	20.5	1.3	54.8
1972	209.3	37.6	19.9	1.4	58.9
1973	211.4	41.8	18.4	1.0	61.2
1974	213.3	36.0	16.0	0.7	52.7
1975	215.5	34.8	14.9	0.8	50.5
1976	217.6	37.6	16.9	0.9	55.4
1977	219.8	41.2	15.8	0.9	57.9
1978	222.1	42.4	15.9	1.0	59.3
1979	224.6	41.7	14.9	0.9	57.5
1980	227.6	37.6	14.7	0.9	53.2

a. Five year averages for 1920-1979 and annual data for 1965-1980.

Column 41: U.S. population as of July first. 1950 forward data include Alaska and Hawaii. Puerto Rico is excluded.

Columns 42 to 45: Columns 31, 34, 37 and 40 respectively on page 36 of the March *Organon* issue divided by column 41.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM	1981												11 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
RAYON+ACETATE YARN, MONOFIL & STRIPS														
CANADA	318	125	8	1	12	5	0	15	4	14	35		537	766
MEXICO	161	79	163	41	191	106	81	246	121	78	68		1395	1349
BELGIUM	0	50	25	0	76	0	23	0	0	6	16		196	0
WEST GERMANY	242	290	555	200	639	179	115	357	306	435	205		3523	1002
GREECE	0	0	0	0	39	0	0	0	0	82	40		161	0
NETHERLANDS	236	593	333	295	262	194	372	330	284	197	198		3292	1965
SPAIN	142	0	0	0	41	0	40	0	0	0	0		223	79
UNITED KINGDOM	1	10	0	6	41	0	90	73	14	0	0		235	1606
JAPAN	64	0	0	0	33	36	0	28	14	51	25		251	638
SOUTH KOREA	1	0	0	40	40	0	0	0	60	34	0		175	120
ALL OTHER COUNTRIES[a]	19	4	0	0	0	20	5	38	0	24	9		119	253
TOTAL R+A YARN	**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**		**10107**	**7778**
RAYON+ACETATE STAPLE+TOW														
CANADA	409	474	456	451	421	392	411	463	407	401	295		4620	2053
AUSTRIA	731	113	106	308	708	250	403	368	520	500	651		4659	1223
FRANCE	18	83	39	43	0	45	0	0	0	194	0		422	106
WEST GERMANY	0	0	85	0	0	0	0	43	2	43	0		173	215
ITALY	0	12	0	0	36	16	105	135	0	292	0		576	0
SWEDEN	332	234	184	0	187	227	227	257	224	184	331		2428	2647
UNITED KINGDOM	220	76	7	157	205	235	349	75	122	249	148		1847	1498
JAPAN	90	147	74	118	50	86	105	67	62	220	99		1147	907
ALL OTHER COUNTRIES[b]	0	0	0	0	0	0	2	0	96	37	0		135	52
TOTAL R+A STAPLE	**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**		**15987**	**8701**
NON-CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	50	98	4	579	415	280	380	203	55	45	207		2385	2873
MEXICO	14	20	12	15	44	9	3	99	2	8			226	34
AUSTRIA	0		0	0	64	0	41	10	0	11	0		126	1
BELGIUM		0	0	0		1	0	5	57	68			131	34
FRANCE	94	130	207	210	166	109	235	125	101	214	137		1724	730
WEST GERMANY	256	382	275	501	426	353	320	508	352	470	557		4400	2840
ITALY	52	152	35	0	108	79	0	333	227	155	47		1188	217
NETHERLANDS	0	1	9	0	49	28		42	0	3	38		170	158
SPAIN	61	0	0	0	0	0	0	179	0	99	0		339	62
SWITZERLAND	1	3	8	0	3	3	50		3	50	1		122	21
UNITED KINGDOM	57	114	37	3	5	1	4	15	14	48	27		325	610
JAPAN	300	671	357	776	662	743	773	601	360	670	691		6604	10384
SOUTH KOREA	5	36	3	3	43	2	1	5	3	2	1		102	10
ALL OTHER COUNTRIES[c]	2	3	0	0	50	6	2	0	51	11	42		153	628
TOTAL N.C. YARN	**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**		**17995**	**18608**
NON-CELLULOSIC STAPLE+TOW														
CANADA	328	350	449	531	714	425	1250	649	696	617	353		6362	2192
MEXICO	190	28	97	510	693	217	141	384	264	483	781		3788	31
BELGIUM	0	150	0	152	70	2	5	36	31	115	203		744	9
FRANCE	44	797	198	508	533	254	528	168	472	406	379		4287	47
WEST GERMANY	541	1963	1625	2233	1644	1345	2386	2453	732	1601	846		17369	9708
IRELAND		56	0	0	0	0	39	0	39	87	0		221	1
ITALY	7	813	616	423	717	164	1426	649	1202	72	1193		7282	1132
NETHERLANDS	0	39	44	80	35	15	15	98	37	24	15		402	20
POLAND	44	38	0	0	89	0	0	3	0	0	26		200	60
ROMANIA	0	0	132	84	28	0	23	0	71	287	0		625	559
UNITED KINGDOM	208	508	320	173	264	818	713	607	306	411	465		4793	2206
EGYPT	0	0	0	0	0	0	0	0	333	0	0		333	0
JAPAN	828	335	367	493	343	478	434	288	202	356	264		4388	5687
TAIWAN	324	745	588	875	583	866	198	852	1291	653	258		7233	11500
ALL OTHER COUNTRIES[d]	0	13	0	16	1	54	23	72	26	11	79		295	118
TOTAL N.C. STAPLE	**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**		**58322**	**33265**

Other countries supplying 1981 poundages are:

[a] Austria 63, France 1, Italy 4, Sweden 2, Taiwan 28 & Yugoslavia 21.

[b] Belgium 96, Mexico 1, Netherlands 37 & Venezuela 1.

[c] Australia 1, Costa Rica 11, Denmark 81, Hong Kong 2, Iceland 1, Ireland 35, Portugal 9, Sweden 10, & Taiwan 3.

[d] Austria 44, Brazil 20, Costa Rica 40, Denmark 3, Hong Kong 15, Israel 31, South Korea 30, Portugal 16, South Africa 23, Spain 3 & Switzerland 70.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1 - 1 - 78	1981												11 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
RAYON+ACETATE															
YARN SINGLES															
TEXTURED	310.0106 & .0206	1	10	0	242	4	0	9		0	0	0		266	863
OTHER	310.0130 & .0230[a]	1182	1139	1084	339	1370	600	712	1072	803	920	587		9808	6905
MONOFILAMENTS	309.0510 & .0610	1	2	0	0	0	0	0	0	0	1	0		4	0
STRIPS $1 LB & UNDER	309.2000 *	0	0	0	0		0	5	15	0	0	9		29	10
SUBTOTAL ABOVE		**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**		**10107**	**7778**
STAPLE	309.4320 & .4325	1027	1006	927	887	1442	990	1311	1317	1358	1686	1338		13889	6534
GROUPED FILAMENTS	309.3010 & .3110	239	133	64	185	232	263	351	132	79	234	186		2098	2167
SUBTOTAL ABOVE		**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**		**15987**	**8701**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	37	7	37	0	35	40	65	46	40	58	116		481	339
NON-CELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED NYLON	310.0109 & .0209	197	217	215	580	507	375	471	159	176	443	195		3541	3044
POLYESTER	310.0110 & .0210	27	7	22	13	79	80	1	294	98	16	65		702	329
OTHER	310.0114 & .0214	17	56	8	17	49	23	85	21	3	149	35		463	189
OTHER NYLON	310.0149 & .0249	204	525	127	542	487	354	317	416	458	284	208		3902	3383
POLYESTER	310.0150 & .0250	111	411	299	399	482	491	293	935	190	618	941		5170	6293
OTHER	310.0170 & .0270[b]	170	183	113	188	164	56	182	81	108	111	89		1445	1318
MONOFILAMENTS	309.0200 & .0330[c]	145	200	149	321	258	220	458	263	161	220	191		2586	3831
STRIPS OVER $1 LB	309.2100 & .2500 *	21	11	16	21	9	15	11	14	31	13	24		186	221
SUBTOTAL ABOVE		**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**		**17995**	**18608**
STAPLE NYLON	309.4338	525	2686	1698	2533	2455	1574	4055	3238	2062	504	1729		23059	1442
POLYESTER	309.4342	132	111	306	661	847	363	328	576	840	1187	1066		6417	1255
ACRYLIC	309.4345	1069	1594	907	1201	1005	565	736	695	480	1259	569		10080	12726
OLEFIN	309.4340	5	0	304	1	5	71	474	79	125	60	10		1134	144
OTHER	309.4355	409	961	673	1088	852	1281	356	1285	1606	1069	616		10316	13423
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	68	50	68	137	155	196	500	23	18	473	300		1988	929
POLYESTER	309.3040 & .3140	0	42	0	0	44	90	18	30		43	22		289	128
ACRYLIC	309.3050 & .3150	181	255	178	291	195	312	372	256	175	375	477		3067	2486
OTHER	309.3065 & .3165	65	116	302	166	156	186	342	77	336	153	73		1972	732
SUBTOTAL ABOVE		**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**		**58322**	**33265**
WASTE, NOT ADVANCED NYLON	309.6625	1598	1587	2822	1713	2134	1607	2239	2344	2417	2114	2458		23033	10907
POLYESTER	309.6630	1071	1810	1547	1005	1473	1321	1438	1409	1282	2508	1491		16355	4980
ACRYLIC	309.6645	289	258	200	236	379	269	87	514	3	30	424		2689	2149
OTHER	309.6660	32	203	263	328	127	331	196	340	15	368	346		2549	850
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	0	0	0	29	28	0	28	0		85	4
OTHER WASTE, ADVANCED	309.7525 - .7555	119	63	3	35	2	6	23	58	31	117	74		531	562
TOTAL MAN-MADE ABOVE		**9602**	**13643**	**12332**	**13135**	**14947**	**11679**	**15464**	**15717**	**12935**	**15041**	**13639**		**148134**	**88143**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN PLIED															
TEXTURED CELLULOSIC	310.1106	0		24	0	0	0	0	0	0	1	0		25	0
NON CELLULOSIC	310.1015[d] & .1109[e]	268	124	213	313	364	265	342	335	143	459	299		3125	1154
OTHER CELLULOSIC	310.1030 & .1135[f]	16		0		0	0	0	1	0	1	3		21	97
NON CELLULOSIC	310.1050 & .1070[g]	20	27	26	44	20	4	125	14	13	16	45		354	381
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	10	25	24	52	37	24	93	130	58	75	67		595	508
OTHER	310.4015 & .4027[i]	1762	1454	1794	1740	2164	1312	1542	1314	1258	1982	1315		17637	17926
OTHER YARNS NES, INCL. CHENILLE	310.6029 - .8000	352	109	261	415	609	433	361	356	374	345	324		3939	2131
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	247	230	188	190	262	292	226	208	195	316	272		2626	2072
SLIVER, TOPS & ROVING	309.9000	388	473	322	262	173	245	370	595	115	366	127		3436	2560
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1156	441	1047	551	643	1485	1575	3434	2410	2127	2201		17070	6748
GRAND TOTAL ABOVE		**13821**	**16526**	**16231**	**16702**	**19219**	**15739**	**20098**	**22104**	**17501**	**20729**	**18292**		**196962**	**121720**

SOURCE: U.S.Census Bureau

NES Not elsewhere specified

* These items are not reported by the Census as cellulosic vs. non cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & 5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA MILLION POUNDS

ITEM	1981												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	20.9	21.6	21.5	27.1	26.4	25.2	24.6	19.9	20.8	19.5	17.6	16.0	261.1	301.9
NYLON[e] INDUSTRIAL[f]	34.5	34.4	37.2	35.9	32.3	34.3	30.6	35.7	35.0	31.8	33.4	27.8	402.9	446.6
LOW DENIER INDUSTRIAL[g]	3.0	3.0	3.8	2.8	2.3	3.3	2.5	2.9	3.5	2.7	2.7	2.6	35.1	35.8
CARPET	67.1	63.6	65.5	73.4	65.3	61.3	56.8	52.9	48.1	40.7	39.4	42.9	677.0	756.9
TEXTILE	33.7	36.6	38.4	37.3	36.1	37.4	31.7	34.8	35.8	33.0	32.5	31.1	418.3	447.6
POLYESTER INDUSTRIAL[f]	25.5	24.5	27.3	29.0	24.7	25.5	26.9	27.3	26.2	27.1	26.2	23.1	313.1	294.3
LOW DENIER INDUSTRIAL[g]	2.1	2.1	2.5	2.9	2.7	2.5	2.5	1.9	2.3	2.4	2.2	1.5	27.6	29.4
TEXTILE	94.8	96.0	111.3	123.6	106.4	108.6	102.1	107.3	103.9	98.4	91.6	85.3	1229.3	1172.8
OLEFIN[h]	56.0	55.8	57.4	55.5	56.8	52.0	53.5	54.2	51.9	50.1	51.0	52.4	646.6	632.4
TOTAL NON-CELLULOSIC ABOVE[i]	316.7	316.0	343.2	360.4	326.6	324.8	306.6	317.0	306.7	286.2	279.0	266.7	3749.9	3815.8
STAPLE+TOW+FIBERFILL[j]														
RAYON	40.9	35.4	37.9	41.4	40.8	37.5	39.4	36.8	38.7	38.7	36.6	32.6	456.7	451.7
NYLON[e]	70.7	67.5	75.0	80.0	74.8	69.2	62.2	52.8	44.9	41.8	40.3	42.8	721.5	743.1
ACRYLIC+MODACRYLIC	59.3	62.2	65.8	65.3	61.9	60.1	51.9	59.8	54.3	53.3	49.8	52.8	694.5	771.1
POLYESTER	208.6	211.1	202.5	243.6	218.6	211.9	212.8	232.9	223.4	214.4	206.2	212.8	2598.8	2539.4
OLEFIN+VINYON	10.8	10.3	11.2	11.7	12.4	11.7	10.7	11.3	10.6	12.9	10.0	9.9	133.5	118.7
TOTAL NON-CELLULOSIC ABOVE	349.4	351.1	351.4	400.6	367.7	352.9	337.6	356.8	333.2	322.4	306.9	318.3	4148.3	4172.3
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	17.0	15.4	15.8	13.5	11.6	12.1	11.4	13.7	12.6	12.4	12.4	14.3	14.3	18.4
NYLON[e] INDUSTRIAL[f]	37.3	37.9	35.7	30.7	42.5	41.2	45.8	38.3	37.2	38.7	35.4	36.4	36.4	29.4
LOW DENIER INDUSTRIAL[g]	3.9	3.2	3.1	3.5	3.4	3.2	3.6	3.8	3.6	3.9	4.4	4.3	4.3	3.5
CARPET	37.7	48.2	30.3	33.4	30.4	39.5	47.9	64.9	72.4	80.4	74.9	64.1	64.1	31.6
TEXTILE	42.8	45.1	41.8	41.7	45.0	41.4	45.1	44.5	45.7	47.0	47.5	47.3	47.3	40.1
POLYESTER INDUSTRIAL[f]	23.7	23.1	21.3	20.9	23.7	24.7	24.1	22.7	22.0	20.2	22.8	23.5	23.5	21.3
LOW DENIER INDUSTRIAL[g]	3.6	3.4	3.5	3.6	3.3	3.6	3.6	3.3	2.7	3.1	2.8	3.6	3.6	4.2
TEXTILE	100.2	104.1	87.3	67.5	72.5	76.0	89.4	84.1	84.6	95.4	99.6	95.9	95.9	92.3
OLEFIN[h]	63.9	62.3	61.6	60.4	58.3	62.3	61.8	62.2	66.2	64.8	65.4	62.6	62.6	66.9
TOTAL NON-CELLULOSIC ABOVE[i]	313.3	315.3	292.6	267.7	283.7	291.9	319.3	323.8	334.4	354.1	352.8	337.7	337.7	289.3
STAPLE+TOW+FIBERFILL														
RAYON	24.2	25.1	29.3	28.1	25.4	23.7	23.2	25.7	27.3	25.9	29.2	31.1	31.1	27.2
NYLON[e]	33.3	37.4	37.3	33.1	40.1	48.5	61.0	71.8	72.4	73.4	70.7	64.8	64.8	34.5
ACRYLIC+MODACRYLIC	70.5	76.3	74.3	68.5	67.1	65.8	67.8	64.2	64.6	66.7	70.4	65.0	65.0	68.8
POLYESTER	174.2	182.3	190.3	178.5	181.7	185.1	195.4	177.4	179.6	180.1	183.9	174.2	174.2	166.5
OLEFIN+VINYON	16.6	16.9	16.2	15.3	15.2	15.5	16.7	17.9	20.0	21.0	23.8	25.7	25.7	17.2
TOTAL NON-CELLULOSIC ABOVE	300.6	312.9	318.1	295.7	304.1	312.9	340.9	331.3	336.6	341.2	348.8	329.7	329.7	287.0
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	11.0	12.1	14.6	13.2	11.5	13.0	9.3	12.3	11.7	11.4	10.4		130.5	116.7
CARPET CLASS WOOL	0.8	0.8	0.9	0.8	0.8	0.8	0.7	1.1	1.1	1.2	0.7		9.7	9.4
TOTAL RAW WOOL	11.8	12.9	15.5	14.0	12.3	13.8	10.0	13.4	12.8	12.6	11.1		140.2	126.1
RAW COTTON	217.4	245.4	247.1	238.1	220.8	244.4	193.1	235.7	237.7	246.7	201.3	175.3	2703.0	3064.4

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

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Textile Organon

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MONTHLY REVIEW

Highlights

Production of man-made fibers increased 2½% in 1981, reaching 9,817.1 million pounds. However, 1981 production was still 5½% below the peak of 10,380.8 million pounds set in 1979. Cellulosic fiber production declined 4½% to 770.1 million pounds, non-cellulosic fiber output increased 1½% to 8,005.9 million pounds and textile glass fiber production rose 20% to a record 1,041.1 million pounds during 1981.

Domestic consumption of man-made fibers declined 1% in 1981, to 8,573.7 million pounds.

WORLD MAN-MADE FIBER PRODUCTION[a]

MILLION POUNDS

	RAYON+ACETATE			NON-CELLULOSIC			TOTAL FIBERS		
YEAR	YARN	STAPLE	TOTAL	YARN	STAPLE	TOTAL	YARN	STAPLE	TOTAL
1973	3,003	5,046	8,049	8,450	8,412	16,862	11,453	13,458	24,911
1974	2,871	4,916	7,787	8,344	8,161	16,505	11,215	13,077	24,292
1975	2,508	4,020	6,528	8,264	7,946	16,210	10,772	11,966	22,738
1976	2,619	4,457	7,076	9,101	9,802	18,903	11,720	14,259	25,979
1977	2,504	4,750	7,254	9,508	10,663	20,171	12,012	15,413	27,425
1978	2,572	4,742	7,314	10,148	11,973	22,121	12,720	16,715	29,435
1979	2,573	4,857	7,430	10,799	12,588	23,387	13,372	17,445	30,817
1980	2,555	4,596	7,151	10,430	12,688	23,118	12,985	17,284	30,269
1981	2,390	4,410	6,800	10,450	12,770	23,220	12,840	17,180	30,020

USA VS. OTHER COUNTRIES MAN-MADE FIBER PRODUCTION[a]

MILLION POUNDS & Percent

	1980			1981			% CHANGE		
	USA	OTHER	TOTAL	USA	OTHER	TOTAL	USA	OTHER	TOTAL
RAYON+ACETATE[a]									
YARN	356	2,199	2,555	305	2,085	2,390	-14	-5	-6½
STAPLE	450	4,146	4,596	465	3,945	4,410	+3½	-5	-4
TOTAL	**806**	**6,345**	**7,151**	**770**	**6,030**	**6,800**	-4½	-5	-5
NON-CELLULOSIC[a]									
YARN	3,112	7,318	10,430	3,172	7,278	10,450	+2	-½	
STAPLE	4,036	8,652	12,688	4,052	8,718	12,770	+½	+1	+½
TOTAL	**7,148**	**15,970**	**23,118**	**7,224**	**15,996**	**23,220**	+1		+½
TOTAL MAN-MADE ABOVE[a]									
YARN	3,468	9,517	12,985	3,477	9,363	12,840	+½	-1½	-1
STAPLE	4,486	12,798	17,284	4,517	12,663	17,180	+½	-1	-½
TOTAL	**7,954**	**22,315**	**30,269**	**7,994**	**22,026**	**30,020**	+½	-1½	-1

WORLD PRODUCTION[a] BY REGION

MILLION POUNDS

	1978		1979		1980		1981	
REGION	CELL	NON-CELL	CELL	NON-CELL	CELL	NON-CELL	CELL	NON-CELL
WEST EUROPE	1,785	5,108	1,827	5,251	1,437	4,757	1,275	4,600
EAST EUROPE	2,507	2,555	2,473	2,410	2,515	2,022	2,500	2,700
USA	804	7,094	880	7,080	806	7,148	770	7,224
OTHER AMER.	505	1,265	445	1,577	527	1,095	520	1,580
JAPAN	858	3,034	830	3,611	876	2,911	683	2,910
OTH. A.A. & O.	855	3,065	975	3,458	990	5,185	1,052	4,206
TOTAL	**7,314**	**22,121**	**7,430**	**23,387**	**7,151**	**23,118**	**6,800**	**23,220**

[a] Except acetate cigarette tow, olefin and textile glass fiber.

1981 WORLD MAN-MADE FIBER OUTPUT ESTIMATED AT 30,020 MILLION POUNDS

The Textile Economics Bureau's preliminary estimate of world man-made fiber production (except acetate cigarette tow, olefin and textile glass fiber) put the 1981 total at 30,020 million pounds, 1% below the 30,269 produced in 1980 and 2½% below the record 1979 output of 30,817 million pounds.

Non-cellulosic fibers recorded a ½% increase in output (to 23,220 million pounds) while rayon+acetate production fell 5% (to 6,800 million pounds). Production of non-cellulosic yarn+monofilaments was marginally ahead of 1980 (at 10,450 million pounds) while output of non-cellulosic staple+tow increased ½% (to 12,770 million pounds). For the cellulosic fibers, yarn+monofilaments declined 6½% (to 2,390 million pounds) and staple+tow declined 4% (to 4,410 million pounds).

The center table opposite shows the variations in the 1980-1981 growth rates of the various fibers in the United States as compared with the rest of the world.

WORLD PRODUCTION BY REGION

The bottom of the three tables on the front page of this issue shows world production of man-made fibers for 1978-1981 as divided by producing region and product. It is of interest that only Japan and Other Africa, Asia and Oceania increased production of cellulosic fibers and East Europe, the U.S.A. and Other Africa, Asia and Oceania increased output of non cellulosic fibers.

The following table shows the annual growth rates for the periods 1960-1973 and 1973-1981 by fiber group and area.

ANNUAL GROWTH RATES

	1960-1973			1973-1981		
	CELL	NON-CELL	TOTAL	CELL	NON-CELL	TOTAL
WEST EUROPE	0.6	20.2	8.2	7.5	1.3	3.0
EAST EUROPE	5.6	24.6	8.9	1.4	5.6	4.8
U.S.A.	2.2	18.2	11.8	0.8	2.7	1.4
OTHER AMERICAS	2.0	24.7	10.6	2.2	7.3	5.0
JAPAN	1.3	20.3	9.4	3.1	0.7	0.3
OTHER A.A. & O.	10.4	46.9	18.3	7.8	21.4	17.3
WORLD	**2.6**	**20.4**	**9.9**	**-2.1**	**4.1**	**2.4**

This table emphasizes the shock caused by the Arab oil embargo of 1973, particularly to the developed countries. Production in Western Europe has declined at an annual rate of 3.0% and in Japan at an annual rate of 0.3%, while production in the United States has grown at an annual rate of only 1.4%, well below the world average of 2.4% per year. Prior to 1973 these areas grew at around the world rate. On the other hand, East Europe, Other Americas and in particular Other Africa, Asia and Oceania have grown at rates well above the world rate. The shift in production away from the industrialized areas has been most prominent in the case of Other Africa, Asia and Oceania, growing from only 2% of world production in 1960, to 6% of world production in 1973, to 18% of the world production in 1981. This makes Other Africa, Asia & Oceania the world's third largest producing area of man-made fibers behind the U.S.A. (with 27% of the world total) and West Europe (with 20% of the world total).

CORRECTION

In the page 3 article of the January 1982 ***Organon*** issue, Tolaram Fibers, Inc., purchaser of Meyer's polyester plant, was incorrectly identified as Tolaran Fibers, Inc.

CHEVRON TO PHASE OUT MAN-MADE FIBERS

Chevron Chemical Co., subsidiary of Standard Oil of California, has decided to get out of the man-made fiber business. The company will close its Vectra Products plant in Odenton, MD, early in March and is seeking a purchaser for its Polyloom Products plant in Dayton, TN.

The Dayton plant, which produces fibrillated yarn for artificial grass, will continue to operate while a buyer is being sought. The Odenton plant, which was purchased from Exxon in 1971, produced olefin filament yarn and staple.

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Textile Organon

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MULTIFIBRE ARRANGEMENT EXTENDED

The Arrangement Regarding International Trade in Textiles, generally known as the Multifibre Arrangement (MFA), has been extended for a further period of four years and seven months, from January first, 1982 to July 31st, 1986.

This decision and the extension arrangements were the outcome of negotiations between signatory governments of the MFA. The decision was taken on December 22nd, 1981, by the Textiles Committee, a body made up of representatives of the 51 participating countries and which is responsible for administering the Arrangement.

No changes have been made in the Arrangement's text, but the Protocol of Extension mentions certain understandings recorded in conclusions that the Committee adopted on December 22nd, 1981. The Protocol also reaffirms the provisions of the MFA regarding the competence of the Textiles Committee and the Textiles Surveillance Body.

The MFA covers well over four fifths of the world trade in textiles and clothing, representing a value of about $80 billion.

MAN-MADE FIBER PRODUCTION INCREASED 2½% IN 1981

Last year, U.S. production of man-made fibers totaled 9,817.1 million pounds, 2½% above the 9,565.8 million pounds produced during 1980 but 5½% below the record high 10,380.8 million pounds in 1979. Cellulosic production totaled 770.1 million pounds during 1981, down 4½% from the 806.0 million pounds produced during the previous year. Non cellulosic fiber production, at 8,005.9 million pounds, was 1½% above that produced during 1980 and textile glass fiber output increased 20% to a record 1,041.1 million pounds.

The table below shows the annual growth rates for the 13 year period 1960-1973 and the 8 year period 1973-1981 by fiber for the U.S. fiber industry.

ANNUAL GROWTH RATES

	1960-1973	**1973-1981**
	%	%
Cellulosic Fibers		
Rayon	1.47	-6.81
Acetate	3.70	-6.89
Total R+A	**2.15**	**-6.84**
Non-Cellulosic Fibers		
Nylon	13.65	0.88
Polyester	29.13	4.70
Acrylic	13.94	0.89
Olefin	32.12	6.13
Other	3.17	4.19
Total Non-Cell.	**18.73**	**3.02**
Total Man-Made Above	**12.25**	**1.70**
Glass	11.00	5.30
Total Man-Made Fibers	**12.38**	**2.04**

NON-CELLULOSIC OUTPUT INCREASED 1½% DURING 1981

Production of non-cellulosic fibers increased 1½% last year, to 8,005.9 million pounds, from the 7,892.5 million pounds produced in 1980, but 5% less than the record 8,436.0 million pounds produced in 1979. Last year's output of non cellulosic yarn+monofilaments totaled 3,814.8 million pounds, an increase of 2% from the 3,744.3 million pounds produced in 1980. Non cellulosic staple+tow+fiberfill output during 1981 increased 1% to 4,191.1 million pounds from 1980's production of 4,148.2 million pounds.

Production of olefin yarn (642.9 million pounds), saran and spandex yarn (22.0 million pounds), polyester staple (2,606.5 million pounds) and olefin+vinyon staple (142.0 million pounds) were all at new record high levels.

COMPARISON OF 1981 AND 1980 PRODUCTION OF NON-CELLULOSIC FIBERS

Following is a by fiber comparison of 1981 and 1980 production of non cellulosic fibers and the percentage change thereof.

For yarn+monofilaments the respective data (in million pounds) are: nylon+aramid 1,580.7 & 1,631.1 & -3%; polyester 1,569.2 & 1,462.0 & +7½%; olefin 642.9 & 632.2 & +1½%; saran and spandex 22.0 & 19.0 & +16% and total non-cellulosic yarn+monofilaments 3,814.8 & 3,744.3 & +2%.

For staple+tow+fiberfill the corresponding data are: nylon+aramid 751.8 & 726.6 & +3½%; acrylic+modacrylic 690.8 & 779.2 & -11%; polyester 2,606.5 & 2,526.7 & +3%; olefin+vinyon 142.0 & 115.7 & +23% and total non-cellulosic staple+tow+fiberfill 4,191.1 & 4,148.2 & +1%.

DOMESTIC CONSUMPTION OF MAN-MADE FIBERS DECLINED 1% IN 1981

Domestic consumption of man-made fibers, i.e., domestic shipments plus imports for consumption, totaled 8,573.7 million pounds in 1981. Thus 1981 domestic consumption declined 1% from the 1980 figure of 8,677.1 million pounds. Domestic consumption of cellulosic fibers fell 4½% to 701.3 million pounds in 1981. For non-cellulosic fibers the decline was 2½% to 6,890.4 million pounds, but domestic consumption of textile glass fiber increased 12% to a record 982.0 million pounds.

Cellulosic yarn+monofilaments domestic consumption fell by 13% to 283.6 million pounds in 1981, whereas cellulosic staple+tow domestic consumption, at 417.7 million pounds, increased 2½% over 1980 levels.

(Continued on page 22)

MAN-MADE FIBER PRODUCTION

MILLION POUNDS

YEAR	RAYON+ACETATE									NON-CELLULOSIC FIBER[c-h]			TOTAL TO THE LEFT	TEX-TILE GLASS FIBER	TOTAL MAN-MADE FIBER
	RAYON YARN[a]			ACET YARN[b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A						
	INDUS	TEXT	TOTAL			RAYON	ACET[b]	TOTAL		YARN	STAPLE	TOTAL			
1960	279.3	147.0	426.3	228.2	654.5	314.0	60.0	374.0	1028.5	437.4	239.8	677.2	1705.7	177.0	1882.7
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3	1995.4
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3	2435.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9	2696.7
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5	3078.0
1965	266.6	169.2	435.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3	3589.4
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	352.4	3954.2
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8	4050.2
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7	5226.4
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4	5605.5
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3	5426.7
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2	6151.9
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6	7321.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0	8354.4
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9	8105.3
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5	7181.2
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0	8143.5
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7	9002.3
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3	9610.8
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4	10380.8
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3	9565.8
1981	33.4	15.1	48.5	257.0	305.5	400.6	4.0	404.6	710.1	3814.8	4191.1	8005.9	8716.0	1041.1	9757.1

NON-CELLULOSIC FIBER PRODUCTION DETAIL

MILLION POUNDS

YEAR	YARN+MONOFILAMENTS					STAPLE+TOW+FIBERFILL				
	NYLON[c]	OLEFIN[d]	ESTER[e]	OTHER[f]	TOTAL	NYLON[c]	ACRYL[g]	ESTER[e]	OTHER[h]	TOTAL
1960	374.8	13.7	48.9		437.4	26.8	135.7	75.2	2.1	239.8
1961	441.7	18.9	36.6		497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1		627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5		712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1		847.6	69.3	287.7	192.4	9.7	559.1
1965	846	65.6	86.0		997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5		1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8		1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1		1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2		1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1		1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2		2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	951.7	11.2	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1319.8	13.2	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1408.0	11.9	3443.0	565.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1458.9	11.7	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1404.7	13.5	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1592.1	15.5	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1563.7	16.0	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1715.6	18.0	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1462.0	19.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1569.2	22.0	3814.8	751.8	690.8	2606.5	142.0	4191.1

a. Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Acetate includes diacetate and triacetate. The acetate staple+tow data do not include the poundages thereof produced for cigarette filtration purposes.

c. Nylon includes aramid.

d. Olefin includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester.

f. Other yarn is chiefly saran and spandex in recent years.

g. Acrylic includes modacrylic.

h. Other staple+tow includes only olefin and vinyon for recent years.

Earlier years' data are on pages 8 & 9 of the January 1962 *Organon* Base Book issue and page 4 of the January-February 1971 issue.

PRODUCERS' WASTE SHIPMENTS

MILLION POUNDS

YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL
1960	33.3	20.9	1965	51.5	55.2	1970	34.5	136.3	1975	13.2	228.7	1980	13.5	170.2
1961	32.8	32.3	1966	44.6	66.5	1971	36.3	157.8	1976	14.7	262.3	1981	15.3	193.2
1962	34.5	27.7	1967	46.1	92.8	1972	38.5	202.7	1977	18.5	291.0			
1963	40.2	42.0	1968	44.3	122.3	1973	36.8	274.8	1978	15.7	263.9			
1964	49.0	45.9	1969	39.4	140.3	1974	29.9	246.4	1979	17.2	238.6			

MAN-MADE FIBER DISTRIBUTION

MILLION POUNDS

RAYON & ACETATE

YEAR	YARN+MONOFILAMENTS							STAPLE+TOW							TEXTILE GLASS				
	PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS				
	TO DOM. CONSUMERS[ab]							TO DOM. CONSUMERS											
	RAYON	ACET	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	RAYON	ACET[b]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	DOMESTIC	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS
1960	401.8	220.6	622.4	23.2	645.6	2.5	624.9	314.4	57.0	371.4	3.7	375.1	59.1	430.5	148.2	6.5	154.7		148.2
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	411.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2		147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	5.8	549.4	50.9	594.5	177.5	6.6	184.1		177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5		182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4		220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	208.2	18.7	226.9		208.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	420.4	773.9	17.6	791.5	14.6	788.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	494.2	20.9	515.1	0.7	494.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	0.4	560.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	155.1	320.3	475.4	46.8	522.2	7.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.6	274.0	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	36.5	502.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0

NON-CELLULOSIC

YEAR	YARN+MONOFILAMENTS									STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS									PRODUCERS' SHIPMENTS								
	TO DOMESTIC CONSUMERS									TO DOMESTIC COMSUMERS								
	NYLON[c]	OLEFIN[d]	ESTER[e]	OTH[f]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	NYLON[c]	ACRYL[g]	ESTER[e]	OTH[h]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS
1960	347.8	13.2	37.6		398.6	32.3	430.9	2.2	400.8	27.7	116.0	64.0	2.5	210.2	26.2	236.4	2.4	212.6
1961	419.0	17.5	36.1		472.6	25.2	497.8	4.7	477.3	36.0	125.8	70.9	3.0	235.7	22.3	258.0	3.2	238.9
1962	505.1	22.5	38.1		565.7	41.1	606.8	5.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9		648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6		793.7	62.8	856.5	3.7	797.4	68.3	265.2	177.5	6.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2		919.2	46.1	965.3	8.5	927.7	85.1	322.5	290.4	15.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	81.4	13.4	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	115.1	135.0	11.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	226.7	10.5	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1065.4	188.6	355.6	10.9	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	435.0	10.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	636.8	10.1	2100.1	78.5	2178.6	234.4	2334.5	330.1	465.7	1111.4	56.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.7	312.4	935.4	11.3	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1320.5	15.1	3275.7	127.4	3403.1	140.1	3415.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1295.2	12.0	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1477.0	12.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1373.9	12.0	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1510.6	15.0	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	272.0	3645.1	52.9	3426.0
1978	1539.1	579.7	1507.6	15.5	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1525.1	17.0	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2154.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1365.4	18.0	3534.0	301.8	3835.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1436.0	20.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns, sewing thread, sliver, tops & roving and waste.

a-h: See these lettered footnotes on the opposite page.

Non-cellulosic data from 1940 are on page 5 of the January-February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 *Organon* Base Book.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1979					1980					1981				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
ACETATE															
PRODUCTION	78.2	78.4	78.8	81.2	316.6	80.0	82.1	77.5	68.9	308.5	61.4	75.0	65.8	54.8	257.0
SHIPMENTS DOMESTIC	71.8	72.2	72.0	72.4	288.4	72.9	71.9	64.7	59.7	269.2	53.4	69.9	57.6	45.4	226.3
EXPORT	9.4	7.3	6.7	8.4	31.8	7.8	8.7	7.7	8.5	32.7	10.6	8.8	7.7	7.7	34.8
TOTAL	81.2	79.5	78.7	80.8	320.2	80.7	80.6	72.4	68.2	301.9	64.0	78.7	65.3	53.1	261.1
ENDING STOCK	12.4	11.3	11.4	11.8		11.1	12.0	17.7	18.4		15.8	12.1	12.6	14.3	
NYLON+ARAMID															
PRODUCTION	442.5	440.0	450.0	450.2	1781.6	453.1	398.3	331.9	447.8	1631.1	435.1	428.0	403.9	313.7	1580.7
SHIPMENTS DOMESTIC	405.3	424.0	400.1	401.9	1631.3	416.0	350.9	347.7	424.3	1538.9	380.5	386.1	340.4	297.3	1404.3
EXPORT	35.1	34.0	37.1	39.3	146.4	35.2	34.0	38.8	40.0	148.0	40.3	35.5	29.9	23.0	128.7
TOTAL	440.4	458.0	437.2	441.2	1777.7	451.2	384.9	386.5	464.3	1686.9	420.8	421.6	370.3	320.3	1533.0
ENDING STOCK	158.0	140.0	142.4	160.4		162.3	175.7	121.1	104.6		118.9	125.3	158.9	152.3	
OLEFIN[b]															
PRODUCTION	155.1	161.4	157.0	165.6	639.1	168.1	152.8	146.8	164.5	632.2	163.9	165.0	163.5	150.5	642.9
SHIPMENTS DOMESTIC	150.6	160.3	154.0	159.3	624.2	156.9	143.9	147.3	163.6	611.7	164.3	158.6	155.0	150.4	628.3
EXPORT	5.6	4.6	5.4	5.5	21.1	6.2	5.3	4.4	4.8	20.7	4.9	5.7	4.6	4.6	19.8
TOTAL	156.2	164.9	159.4	164.8	645.3	163.1	149.2	151.7	168.4	632.4	169.2	164.3	159.6	155.0	648.1
ENDING STOCK	72.2	68.7	66.3	67.1		72.1	75.7	70.8	66.9		61.6	62.3	66.2	61.7	
POLYESTER															
PRODUCTION	459.0	457.3	399.9	398.8	1715.0	396.2	338.7	337.9	389.2	1462.0	378.7	416.6	405.9	370.0	1569.2
SHIPMENTS DOMESTIC	406.1	402.8	352.0	364.2	1525.1	369.2	310.7	320.4	363.1	1363.4	354.1	392.5	364.8	318.6	1430.0
EXPORT	51.6	35.6	44.4	40.2	151.8	34.4	41.0	28.6	29.1	133.1	30.3	31.9	34.1	37.7	134.0
TOTAL	457.7	438.4	396.4	404.4	1676.9	403.6	351.7	349.0	392.2	1496.5	384.4	424.4	398.9	356.3	1564.0
ENDING STOCK	155.5	154.4	157.9	152.3		144.9	131.9	120.8	117.8		112.1	104.3	109.3	123.0	
TOTAL NON-CELLULOSIC ABOVE															
PRODUCTION	1057.2	1059.6	995.9	1023.6	4136.3	1017.4	889.8	816.6	1001.5	3725.3	977.7	1009.6	971.3	834.2	3792.8
SHIPMENTS DOMESTIC	962.0	987.1	906.1	925.4	3780.6	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.0
EXPORT	72.4	75.1	80.9	85.0	313.3	75.8	80.3	71.8	73.9	301.8	75.5	73.1	68.6	65.3	282.5
TOTAL	1034.3	1062.2	987.0	1010.4	4093.9	1017.9	885.8	887.2	1024.9	3815.8	974.4	1010.3	928.8	831.6	3745.1
ENDING STOCK	366.3	363.7	366.6	379.8		379.3	383.3	312.7	289.3		292.6	291.9	334.4	337.0	
DOMESTIC SHIPMENTS	962.0	987.1	906.1	925.4	3780.6	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.0
IMPORTS TEXTURED YARN[c]	1.1	1.0	1.4	0.9	4.4	0.6	0.9	1.9	1.7	5.1	1.4	2.7	2.1	2.2	8.4
OTHER YARN[c]	5.2	4.5	3.0	2.6	15.3	3.1	3.7	3.0	2.3	12.1	2.2	3.1	3.3	2.8	11.4
MONOFILAMENTS	0.5	0.5	0.5	0.9	2.4	1.4	1.3	0.8	0.5	4.0	0.5	0.8	0.9	0.4	2.6
TOTAL IMPORTS	6.8	6.0	4.9	4.4	22.1	5.1	5.9	5.7	4.5	21.2	4.1	6.6	6.3	5.4	22.4
TOTAL AVAILABLE	968.8	993.1	911.0	929.8	3802.7	947.2	811.4	821.1	955.5	3535.2	903.0	943.8	866.5	771.7	3485.0
						TEXTILE GLASS FIBER									
PRODUCTION	232.1	278.8	263.7	239.8	1014.4	242.3	224.0	183.3	217.7	867.3	257.1	260.2	280.6	263.2	1041.1
SHIPMENTS DOMESTIC	228.0	260.3	207.1	216.8	912.2	249.7	181.2	182.4	253.8	867.1	222.4	273.8	239.0	228.6	963.8
EXPORT	9.2	11.5	13.5	14.1	48.3	15.2	13.8	10.1	9.5	48.6	9.8	7.5	8.5	9.4	35.2
TOTAL	237.2	271.8	220.6	230.9	960.5	264.9	195.0	192.5	263.3	915.7	232.2	281.3	247.5	238.0	999.0
ENDING STOCK	93.5	100.5	143.6	152.5		129.9	158.9	149.7	104.1		109.0	87.9	121.0	146.2	
IMPORTS	2.4	3.3	2.7	2.0	10.4	2.0	2.0	1.7	1.6	7.3	2.6	2.7	7.4	5.5	18.2
TOTAL AVAILABLE	230.4	263.6	209.8	218.8	922.6	251.7	183.2	184.1	255.4	874.4	225.0	276.5	246.4	234.1	982.0

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U. S. Census Bureau.

a. Data for rayon and "Other" non-cellulosic yarns (chiefly saran & spandex) are available annually only, see pages 20 & 21 herewith for further details on these yarns.

b. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

c. Yarn imports include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 20 & 21 herewith for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, 4342, 4345 & 4346.

Domestic consumption of non-cellulosic yarn+monofilaments, at 3,502.0 million pounds, was 1½% below 1980 levels, while consumption of non-cellulosic staple+tow+fiberfill declined 3½% to 3,388.4 million pounds during 1981.

U.S. MAN-MADE EXPORTS INCREASED 9½% IN 1980

According to the U.S. Census Bureau, exports of man-made fiber in 1981 totaled 1,489,971 thousand pounds.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

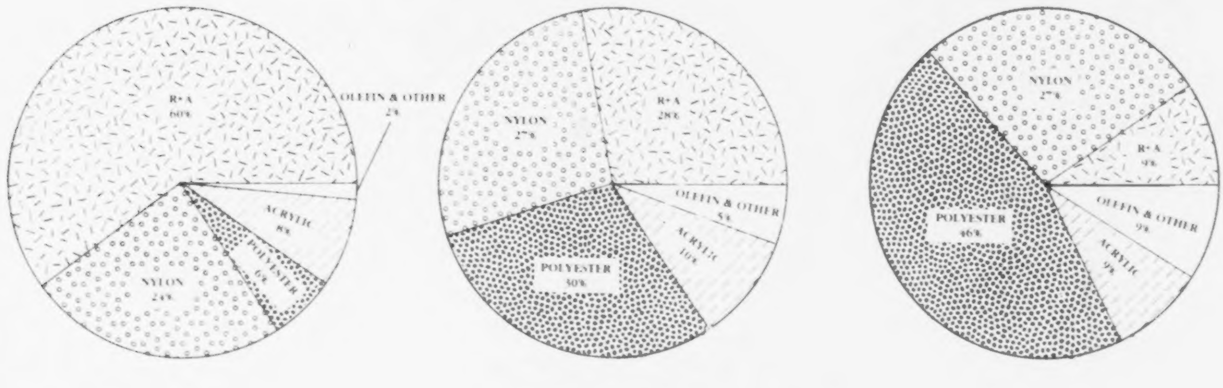
ITEM	1979					1980					1981				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[d]									
RAYON															
PRODUCTION	142.7	142.7	128.1	135.9	549.4	126.9	115.4	101.0	102.0	445.3	116.8	113.6	118.5	111.7	460.6
SHIPMENTS DOMESTIC	117.6	110.3	105.9	108.6	442.4	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9
EXPORT	26.3	22.5	27.8	23.5	100.1	14.0	17.8	16.2	13.0	61.0	14.0	15.2	14.2	16.4	59.8
TOTAL	143.9	132.8	133.7	132.1	542.5	128.2	110.4	103.5	109.6	451.7	114.2	119.7	114.9	107.9	456.7
ENDING STOCK	27.5	37.4	31.8	35.6		34.3	37.3	34.8	27.2		29.8	23.7	27.3	31.1	
DOMESTIC SHIPMENTS	117.6	110.3	105.9	108.6	442.4	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9
IMPORTS FOR CONSUMPTION															
STAPLE	6.3	4.3	2.0	1.3	13.9	1.4	1.3	2.4	2.9	8.0	3.6	3.3	3.9	3.8	14.6
GROUPED FILAMENTS	0.5	0.9	0.7	0.5	2.6	0.7	0.7	0.3	0.6	2.3	0.4	0.7	0.6	0.5	2.2
TOTAL IMPORTS	6.8	5.2	2.7	1.8	16.5	2.1	2.0	2.7	3.5	10.3	4.0	4.0	4.5	4.3	16.8
TOTAL AVAILABLE	124.4	115.5	108.6	110.4	458.9	116.3	94.6	90.0	100.1	401.0	104.2	108.5	105.2	95.8	413.7
NYLON+ARAMID															
PRODUCTION	233.4	236.9	233.6	234.9	938.8	214.0	128.3	161.2	223.1	726.6	214.9	255.2	163.8	117.9	751.8
SHIPMENTS DOMESTIC	230.1	235.9	227.8	219.4	913.2	171.9	133.2	187.6	218.5	711.2	204.8	215.9	155.4	120.3	696.4
EXPORT	7.2	7.4	8.4	8.3	31.3	8.8	6.1	7.7	9.3	31.9	7.3	8.1	4.5	5.2	25.1
TOTAL	237.3	243.3	236.2	227.7	944.5	180.7	139.3	195.3	227.8	743.1	212.1	224.0	159.9	125.5	721.5
ENDING STOCK	52.8	46.4	43.8	51.0		84.3	73.3	39.2	34.5		37.3	68.5	72.4	64.8	
IMPORTS	0.8	0.4	0.7	0.5	2.4	0.3	0.5	0.3	0.6	1.7	4.9	6.6	9.3	2.8	23.6
TOTAL AVAILABLE	230.9	236.3	228.5	219.9	915.6	172.2	133.7	187.9	219.1	712.9	209.7	222.5	164.7	123.1	720.0
ACRYLIC+MODACRYLIC															
PRODUCTION	187.3	192.4	184.2	197.2	761.1	206.4	197.7	182.1	193.0	779.2	190.8	176.8	166.8	156.4	690.8
SHIPMENTS DOMESTIC	134.7	146.3	125.6	140.0	546.6	161.6	155.7	124.9	143.1	585.3	130.2	137.0	123.5	103.4	494.1
EXPORT	52.2	56.3	61.0	54.1	223.6	50.6	43.9	47.1	44.2	185.8	55.1	50.3	42.5	52.5	200.4
TOTAL	186.9	202.6	186.6	194.1	770.2	212.2	199.6	172.0	187.3	771.1	185.3	187.3	166.0	155.9	694.5
ENDING STOCK	70.2	60.0	57.6	60.7		54.9	53.0	63.1	68.8		74.3	63.8	64.6	65.1	
IMPORTS	2.8	4.3	3.5	2.4	13.0	3.4	4.3	2.6	3.0	13.3	3.6	2.7	2.0	2.2	10.5
TOTAL AVAILABLE	137.5	150.6	129.1	142.4	559.6	165.0	160.0	127.5	146.1	598.6	133.8	139.7	125.5	105.6	504.6
OLEFIN+VINYON															
PRODUCTION	29.1	32.3	28.2	30.6	120.2	30.7	30.3	26.5	28.2	115.7	31.3	35.1	37.1	38.5	142.0
SHIPMENTS DOMESTIC	30.1	31.4	28.0	29.8	119.3	28.9	26.3	27.0	32.8	115.0	31.9	35.5	32.2	32.4	132.0
EXPORT	0.1	0.3	1.4	1.7	3.5	1.4	0.5	1.0	0.8	3.7	0.4	0.3	0.4	0.4	1.5
TOTAL	30.2	31.7	29.4	31.5	122.8	30.3	26.8	28.0	33.6	118.7	32.3	35.8	32.6	32.8	133.5
ENDING STOCK	21.7	22.3	21.1	20.2		20.6	24.1	22.6	17.2		16.2	15.5	20.0	25.7	
POLYESTER															
PRODUCTION	606.6	605.5	618.2	631.9	2462.2	654.3	583.2	589.6	699.6	2526.7	646.0	668.9	663.6	628.0	2606.5
SHIPMENTS DOMESTIC	537.6	543.4	522.8	530.6	2134.4	563.1	483.8	466.8	557.3	2071.0	493.2	525.9	507.5	478.8	2005.4
EXPORT	85.1	59.8	82.2	107.7	334.8	84.8	111.1	136.2	136.3	468.4	129.0	148.2	161.6	154.6	593.4
TOTAL	622.7	603.2	605.0	638.3	2469.2	647.9	594.9	603.0	693.6	2539.4	622.2	674.1	669.1	633.4	2598.8
ENDING STOCK	170.1	172.4	185.6	179.2		185.6	173.9	160.5	166.5		190.3	185.1	179.6	174.2	
IMPORTS	0.8	1.1	0.5	0.7	3.1	0.4	0.3	0.3	0.3	1.3	0.5	1.9	1.8	2.4	6.6
TOTAL AVAILABLE	538.4	544.5	523.3	531.3	2137.5	563.5	484.1	467.1	557.6	2072.3	493.7	527.8	509.3	481.2	2012.0
TOTAL NON-CELLULOSIC															
PRODUCTION	1056.4	1067.1	1064.2	1094.6	4282.3	1105.4	939.5	959.4	1143.9	4148.2	1083.0	1136.0	1031.3	940.8	4191.1
SHIPMENTS DOMESTIC	932.5	957.0	904.2	919.8	3713.5	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9
EXPORT	144.6	123.8	153.0	171.8	593.2	145.6	161.6	192.0	190.6	689.8	191.8	206.9	209.0	212.7	820.4
TOTAL	1077.1	1080.8	1057.2	1091.6	4306.7	1071.1	960.6	998.3	1142.3	4172.3	1051.9	1121.2	1027.6	947.6	4148.3
ENDING STOCK	314.8	301.1	308.1	311.1		345.4	324.3	285.4	287.0		318.1	332.9	336.6	329.8	
DOMESTIC SHIPMENTS	932.5	957.0	904.2	919.8	3713.5	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[e]	4.4	5.8	4.7	3.6	18.5	4.1	5.2	3.3	3.9	16.5	9.0	11.2	13.1	7.4	40.7
OTHER N.C. STAPLE	4.2	3.8	3.9	3.9	15.8	3.9	3.4	3.1	4.2	14.6	2.4	3.3	4.0	1.0	10.7
GROUPED FILAMENTS	1.0	1.3	1.3	1.4	5.0	1.6	1.3	0.6	1.0	4.5	1.3	2.0	2.1	2.6	8.0
TOTAL IMPORTS	9.6	10.9	9.9	8.9	39.3	9.6	9.9	7.0	9.1	35.6	12.7	16.5	19.2	11.0	59.4
TOTAL AVAILABLE	942.1	967.9	914.1	928.7	3752.8	935.1	808.9	813.3	960.8	3518.1	872.8	930.8	837.8	745.9	3387.3

an increase of 9½% from the 1,362,715 thousand pounds exported during 1980.

Exports of cellulosic yarn+monofilaments decreased 8½% in 1981 to 24,707 thousand pounds and those of cellulosic staple+tow declined 13% to 62,160 thousand

(Continued on page 25)

U.S. PRODUCTION OF MAN-MADE FIBERS



1960
(1,706)

1970
(4,959)

1980
(8,698)

FILAMENT YARN DOMESTIC SHIPMENTS BY DENIER

MILLION POUNDS

ACETATE

DENIER	1976	1977	1978	1979	1980	1981
55 (52 & FINER)	63.3	62.5	67.1	68.0	66.1	45.3
75 (53-87)	52.4	66.1	72.3	65.8	67.5	62.3
100 (88-112)	14.8	15.0	20.2	26.5	31.4	26.6
150 (113-162)	88.1	89.5	91.3	108.9	87.6	77.5
200 (163-237)	2.7	2.3	2.4	3.4	2.6	1.5
300 (238-374)	12.6	10.4	9.6	9.7	7.3	7.3
450 (375 & COARSER)	16.1	13.6	11.7	8.1	6.7	5.8
TOTAL DOMESTIC SHIPMENTS	**249.4**	**259.4**	**274.6**	**288.4**	**269.2**	**226.3**
Average Denier[a]	*93*	*91*	*90*	*92*	*88*	*91*

POLYESTER TEXTILE

DENIER	1976	1977	1978	1979	1980	1981
55 & FINER	15.0	22.2	25.9	30.1	37.3	48.6
70 (56-89)	87.7	136.8	212.5	215.0	191.3	147.9
100 (90-109)	47.4	61.0	58.1	63.4	52.6	41.4
120 (110-129)	13.3	12.4	18.6	4.8	2.8	} 68.9
135 (130-144)	18.2	23.2	15.3	18.6	10.1	
150 (145-179)	819.1	869.1	783.7	765.2	738.6	745.1
180 & COARSER[c]	39.5	42.5	49.8	66.8	65.3	68.9
TOTAL DOMESTIC SHIPMENTS	**1040.2**	**1167.2**	**1163.9**	**1163.9**	**1078.0**	**1120.8**
Average Denier[a]	*130*	*124*	*116*	*116*	*118*	*121*

NYLON TEXTILE

DENIER	1976	1977	1978	1979	1980	1981
MONOFILS & FEWOFILS[b]	26.5	23.3	27.9	31.7	29.1	23.5
FILAMENT YARN						
34 & FINER	41.3	42.6	41.0	38.0	35.9	39.8
40 (35-59)	124.7	132.5	164.1	177.5	155.4	142.8
70 (60-89)	113.2	124.2	122.0	112	109.0	85.7
100 (90-109)	38.9	38.7	43.6	43.7	42.7	43.4
140 (110-179)	10.3	18.5	20.2	21.2	21.1	26.2
200 (180-204)	15.0	11.4	19.7	18.6	18.2	19.7
205 & COARSER[c]	42.1	41.4	44.3	18.1	15.2	17.5
TOTAL DOMESTIC SHIPMENTS	**412.0**	**432.6**	**482.8**	**461.2**	**426.6**	**398.6**
Average Denier[a]	*48*	*49*	*48*	*45*	*46*	*47*

NYLON CARPET

DENIER	1976	1977	1978	1979	1980	1981
1199 & FINER	} 296.7	369.0	445.8	479.2	460.6	138.4
1200-1499						331.7
1800 (1500-1900)	69.3	114.8	126.6	131.2	149.4	88.9
2600 (1901-2700)	135.9	114.7	89.4	100.7	84.8	55.5
2701 & COARSER	16.8	19.3	18.0	21.4	19.7	19.1
TOTAL DOMESTIC SHIPMENTS	**518.7**	**617.8**	**677.8**	**732.5**	**714.5**	**633.6**
Average Denier[a]	*1603*	*1557*	*1503*	*1506*	*1503*	*1448*

[a] Average Denier calculated by harmonic mean method.

[b] Monofilaments up to 40 denier. Fewofils are multifilament yarns with 4 or fewer filaments in the bundle.

[c] Includes low denier industrial yarn through 1978.

pounds. For non-cellulosic yarn+monofilaments, 1981 exports increased 30% to 463,424 thousand pounds while exports of non-cellulosic staple+tow increased 8% to 790,682 thousand pounds.

QUARTERLY MAN-MADE FIBER DATA

The tables on pages 22 and 23 detail U.S. man-made fiber producers' production, domestic shipments, direct export shipments and stock of man-made fibers (except rayon & saran and spandex yarn+monofilaments and acetate staple+tow) on a quarterly basis for the most recent years.

The difference between the exports reported by the U.S. Census Bureau (page 38 herewith) and those reported on pages 22 and 23 is due to exports other than those shipped directly by the fiber producer. For example, if the fiber producer sells filament yarn to a texturizer to be textured, it is reported as a domestic shipment. Then, after texturing, if the texturizer exports the textured yarn, the Census Bureau reports it as an export shipment. Thus, exports as reported by the U.S. Census Bureau consist of both direct exports from the fiber producer and indirect exports from throwsters, texturizers, etc.

OSHA TO REVIEW COTTON DUST STANDARD

The Occupational Safety and Health Administration announced it is seeking new health data that "might indicate a need for a change" in the exposure limit.

Last March, OSHA announced a review of the cotton dust standard, as part of President Reagan's order that all Federal agencies weigh the costs against the potential benefits of major regulations.

Last June, in a textile industry challenge to the rule, the Supreme Court upheld the standard and broadly declared that in setting such rules, benefits should not be measured against costs.

However, administration officials decided they still could use the cost-effectiveness analysis for job safety rules. OSHA was expected to apply such a cost-effectiveness analysis initially to the cotton dust standard as a way to make it less burdensome and less costly for employers. However, the agency went much further by agreeing to take another look at the scientific support for the standard, which could lead to a significant easing.

OSHA also sought public comment on the cost and effectiveness of engineering controls and individual protective devices required by the standard. The compliance requirements for small businesses and for workplaces with low levels of cotton dust might be eased. The agency emphasised that the standard "will remain in effect during the public comment period," which ends March 26, 1982.

THE AGRICULTURE AND FOOD ACT OF 1981

The Agriculture and Food Act of 1981 was signed into law by President Reagan on December 22, 1981. The provisions of the 1981 Act provide a framework within which the Secretary of Agriculture will administer the various agriculture and food programs. The new act gives the Secretary substantial new discretionary authority to issue regulations and implement various provisions as he sees fit.

The 1981 Act is a four year authorization bill for many farm programs. Commodity provisions apply, for the most part, to the 1982 through 1985 crop years. In addition, the food stamp program, resource conservation, and PL-480 programs are dealt with by this legislation.

THE 1981 ACT AS IT APPLIES TO COTTON

Title V of the Agriculture and Food Act of 1981 extends the cotton program, with some modifications, through the 1985 crop year. Following are details of the target prices, price support loans, national program acreage, etc., as covered by the program.

The **target price** for upland cotton cannot be less than 71 cents per pound for the 1982 crop, 76 cents per pound for the 1983 crop, 81 cents per pound for the 1984 crop and 86 cents per pound for the 1985 crop. However, the actual target prices will be the higher of the minimum levels plus any adjustment for changes in cost of production, or 120% of the loan level.

Nonrecourse **price support loan** levels for upland cotton will once again be set at the lower of either (a) 85% of the average spot market price for SLM 1 1/16" upland cotton at average U.S. location during three years of the five-year period ending July 31 in the year in which the loan level is announced, excluding the year's highest and lowest price, or (b) 90% of the average adjusted price, for the 15-week period beginning July 1 of the year in which the loan level is announced, of the five lowest priced growths quoted for Middling 1 3/32" cotton (Strict Middling 1 1/16" was used in the 1977 Act), C.I.F. Northern Europe. In no event will the loan level be less than 55 cents per pound (under the 1977 Act the minimum level was 48 cents per pound). The loan level for any crop of upland cotton will be determined and announced by the Secretary no later than November 1 of the calendar year preceding the marketing year for which the loan is to be in effect. Once announced, the loan level cannot be changed.

As under the 1977 Act, price support loans mature ten months from the first day of the month in which the loan is made. Producers may, during the tenth month of the loan period, extend their loan period for an additional eight months.

The **national program acreage** (NPA), as under the

1977 Act, represents the number of harvested acres needed to meet domestic and export needs (less imports). The acreage may be adjusted for any desired increase or decrease in carryover stocks. Under the 1981 Act, the latest announcement date of the NPA for upland cotton is to be November 1, compared with December 15 under the 1977 Act.

A program allocation factor is determined by dividing the NPA acreage by the number of harvested acres, as determined by the Secretary. The allocation factor may not exceed 100%. A farm's program acreage is the product of the allocation factor and the acreage planted to upland cotton on the farm.

Individual farm program payment yields for any year are again to be determined on the basis of the actual yield per harvested acre on the farm for the preceding three years.

As under the 1977 Act, **deficiency payments** will be made to producers of each upland cotton crop if the national average price received by farmers for upland cotton, during the calendar year which includes the first five months of the marketing year, is below the target price.

With respect to the 1982 through 1985 crops of upland cotton, producers will not automatically be entitled to **disaster payments** if crop insurance is available to them under the Federal Crop Insurance Act. However, the Secretary may make disaster payments to producers whenever he determines that certain emergency conditions exist or if Federal crop insurance is not available in an area.

Producers will receive any required deficiency payments on 100% of their harvested acreage if they voluntarily reduce their acreage planted for harvest on the farm from the acreage base established for the farm, in line with the percentage recommended by the Secretary when he announces the national program acreage.

The 1981 Act continues, but modifies, the authority of the Secretary to require a reduction in the acreage planted to upland cotton. The acreage limitation will be determined by applying a uniform percentage reduction to the upland cotton base for each farm. If an acreage limitation program is in effect, producers must participate in such programs as a condition of eligibility for loans and payments.

Similar to provisions under the 1977 Act, the 1981 Act provides for a special limited **global import quota**. The amount of quota is to equal a 21 day domestic mill supply of cotton and will be opened up for any month in which the acreage spot market price of SLM 1 1/16" cotton exceeds 130% of such average spot market for the preceding 36-month period.

Skiprow rules for classifying acreage to upland cotton and the area skipped in effect under the 1977 Act are continued by the 1981 Act.

As under the 1977 Act, the CCC minimum sales price cannot be less than 115% of the loan rate in effect for SLM 1 1/16" upland cotton, with adjustments for grade, quality, location, etc., plus carrying charges.

The loan level for extra long staple cotton is to be not less than 75% (85% under the 1977 Act as amended) nor more than 125% (135% under the 1977 Act as amended) in excess of the loan level established for SLM 1 1/16" upland cotton if marketing quotas have been approved and 50% in excess of the loan if quotas have not been approved. The provisions relating to price support payments have been deleted.

Beginning with the 1982 crop of upland cotton, the loan program requires quality differences (premiums and discounts for grade, staple and micronaire) to be established by the Secretary. These are to be determined by giving equal weights to (a) loan differences for the preceding crop and (b) market differences for such crop in the nine designated U.S. spot markets. The Secretary may adjust such differentials, according to recommendations made by a new study committee established by this Act, to accurately reflect the actual market value of upland cotton produced in the United States.

THE 1981 ACT AS IT APPLIES TO WOOL

Title II of the Agriculture and Food Act of 1981 extends the National Wool Act of 1954 through December 31, 1985. This feature of the 1981 Act requires the Secretary of Agriculture to provide supports for wool and mohair.

Support rates for shorn wool are lowered from 85.0% of the formula rate (the rate required under the 1977 Act) to 77.5%. Support at this level will be effective for the marketing years beginning January 1, 1982 and ending December 31, 1985.

The formula rate for shorn wool continues to be determined by multiplying 62 cents by the ratio of (a) the average of the parity index for the three calendar years immediately preceding the calendar year in which the support price is determined and announced to (b) the average parity index for the three calendar years 1958, 1959 and 1960, with the rate rounded to the nearest full cent. The parity index is defined as the index of prices paid by farmers for commodities and services, including interest, taxes and farm wage rates.

COTTON ACREAGE TO BE CUT BACK 15%

In a move intended to bolster sagging cotton prices, the Reagan Administration will require farmers participating in voluntary crop set-aside programs to cut back cotton acreage 15% for the 1982 crop year. The acreage reduction should decrease deficiency payments in 1982.

The acreage reduction will bring the 1982 crop plantings to 12.25 million acres from the 14.38 million acres planted to the 1981 crop. The acreage planted in the Southwest will be cut back to 6.98 million acres (from 8.15 million acres in 1981), 2.66 million acres in the Mid South (from 3.13 million acres) and 1.95 million acres in the West (from 2.25 million acres).

Estimates by Cotton Incorporated are that harvested acreage for the 1982 cotton crop will be 11.52 million acres. Given normal growing conditions, the 1982 crop will total some 11.8 million bales, down 25% from the 15.8 million bales produced during the 1981 crop year.

UPLAND COTTON FARMERS TO RECEIVE DEFICIENCY PAYMENTS

U.S. upland cotton farmers will shortly receive $530 million in deficiency payments for the 1981 crop, the first time cotton farmers have benefited since the program began in 1974.

An Agriculture Department spokesman said the payments will be made to farmers having 12.8 million acres under the program, representing 89% of the 14.4 million acres planted in 1981 by U.S. upland cotton farmers.

Payments of 7.67 cents per pound of cotton are based on the difference between the average price of 63.20 cents per pound received by cotton farmers last year and the *target price* of 70.87 cents per pound.

In previous years since 1974, average market prices had always exceeded USDA's target price. But a bumper crop of 15.8 million bales in 1981 for all types of U.S. cotton brought farmers' receipts per pound down sharply and boosted the domestic cotton carryover to 6.1 million bales from 2.7 million bales a year earlier.

1982 COTTON CROP PLANTING INTENTIONS

The USDA reported on February 18th, 1982, that domestic cotton growers currently intend to plant 12,598,800 acres of cotton this year. Total plantings this year will be 1,720,100 acres, or 12%, less than plantings to the 1981 crop.

If actual plantings this year were to approximate the February 18th figure, an abandonment equal to last year's 3.5% and a yield of 546 pounds per acre (same as last year) would result in a 1982 crop of some 13.8 million bales. However, if the abandonment and yield equaled their averages for the past five years of 6.2% and 489 pounds per acre respectively, the 1982 crop would be some 12.0 million bales. Using the low yield of the past five years of 404 pounds per acre would give a crop of some 10.6 million bales and using the high yield of the past five years of 547 pounds per acre would yield a crop of 14.4 million bales.

BROAD WOVEN GOODS PRODUCTION

Cotton broad woven fabric production during the third quarter of 1981 totaled 968.0 million square yards, a decline of 2% from second quarter 1981 production of 988.2 million square yards and 3½% less than the corresponding 1980 period. For the first nine months of 1981, production totaled 2,951.0 million square yards, 15% less than the 3,457.9 million square yards produced during the first nine months of 1980.

As compared with the second quarter of 1981, print cloth, denims, fine cotton fabrics, upholstery & tapestry and velvets were the only categories to post a gain in the latest quarter. The biggest drops were in toweling and corduroys production.

Production of woolen & worsted fabrics in the latest quarter totaled 41.1 million square yards, 27% less than second quarter 1981 production of 56.5 million square yards but 10% above that produced during the third quarter of 1980. For the first nine months of 1981, production of woolen & worsted fabrics totaled 156.0 million square yards as compared with 148.5 million square yards during the corresponding 1980 period.

Man made fiber broad woven fabric production during the third quarter of 1981 totaled 2,952.0 million square yards, ½% less than the 2,963.3 million square yards produced the previous quarter but 17% more than third quarter 1980 production of 2,516.9 million square yards. For the year to date, man-made fiber broad woven fabric production totaled 8,900.5 million square yards, 12% above the 7,961.0 million square yards produced during the first nine months of 1980.

Most categories of man-made broad woven fabrics were below second quarter 1981 levels. Of 100% filament yarn fabrics, only 100% nylon, textile glass and polyester combinations recorded quarter-to-quarter gains. In 100% spun yarn fabrics and blends, only polyester cotton, polyester rayon and polyester other blend fabrics recorded quarter-to-quarter gains.

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS

During the third quarter of 1981, broad woven fabric mills consumed 1,151.3 million pounds of yarn according to the U.S. Census Bureau. This represents a decrease of 4% from second quarter 1981 consumption of 1,197.4 million pounds, but is 5½% more than the 1,090.4 million pounds these mills consumed during the corresponding 1980 quarter.

Filament yarn consumption during the third quarter of 1981 totaled 375.9 million pounds, 2½% below the 384.9 million pounds consumed during the second quarter of 1981, but 17% above the 321.6 million pounds used during the third quarter of 1980. Only nylon and textile glass fibers registered gains in consumption between the second and third quarters of 1981.

(Continued on page 30)

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	3RD Q 1980			4TH Q 1980			1ST Q 1981			2ND Q 1981			3RD Q 1981			4TH Q 1981		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
RAYON+ACETATE																		
YARN+MONOFILAMENTS	1.8	6.7	4.9 E	2.0	7.1	5.1 E	3.4	8.4	5.0 E	2.6	6.0	3.4 E	2.6	4.5	1.9 E	2.1	5.8	3.7 E
STAPLE+TOW[b]	2.7	19.7	17.0 E	3.5	12.9	9.4 E	4.0	15.9	11.9 E	4.0	16.3	12.3 E	4.5	15.0	10.5 E	4.3	15.0	10.7 E
WASTE	0.1	1.7	1.6 E	0.1	0.8	0.7 E	0.1	0.7	0.6 E	0.1	0.8	0.7 E	0.1	0.4	0.3 E	0.2	0.9	0.7 E
SUBTOTAL ABOVE	**4.6**	**28.1**	**23.5 E**	**5.6**	**20.8**	**15.2 E**	**7.5**	**25.0**	**17.5 E**	**6.7**	**23.1**	**16.4 E**	**7.2**	**19.9**	**12.7 E**	**6.6**	**21.7**	**15.1 E**
NON-CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	5.6	92.3	86.7 E	3.8	92.1	88.3 E	3.4	115.7	112.3 E	5.7	118.0	112.3 E	5.2	119.7	114.5 E	4.6	109.9	105.3 E
STAPLE+TOW	7.1	182.0	174.9 E	9.1	195.8	186.7 E	12.8	187.0	174.2 E	16.4	207.5	191.1 E	19.1	205.1	186.0 E	12.2	191.1	178.9 E
WASTE	4.4	22.3	17.9 E	6.2	22.4	16.2 E	11.9	25.7	13.8 E	11.0	27.9	16.9 E	12.5	25.0	12.5 E	14.4	28.7	14.3 E
SUBTOTAL ABOVE	**17.1**	**296.6**	**279.5 E**	**19.1**	**310.3**	**291.2 E**	**28.1**	**328.4**	**300.3 E**	**33.1**	**353.4**	**320.3 E**	**36.8**	**349.8**	**313.0 E**	**31.2**	**329.7**	**298.5 E**
TOTAL FIBER ABOVE[c]	**21.7**	**324.7**	**303.0 E**	**24.7**	**331.1**	**306.4 E**	**35.6**	**353.4**	**317.8 E**	**39.8**	**376.5**	**336.7 E**	**44.0**	**369.7**	**325.7 E**	**37.8**	**351.4**	**313.6 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	1.0	2.4	1.4 E	0.2	3.4	3.2 E	1.2	2.3	1.1 E	0.7	2.8	2.1 E	1.1	3.2	2.1 E	0.7	2.7	2.0 E
SPUN YARNS	4.1	7.4	3.3 E	4.9	9.8	4.9 E	6.8	14.6	7.8 E	8.2	13.4	5.2 E	6.7	9.3	2.6 E	6.6	8.4	1.8 E
THREAD & CRAFT YARNS	0.5	1.9	1.4 E	0.6	1.6	1.0 E	0.7	1.5	0.8 E	0.8	1.3	0.5 E	0.6	1.2	0.6 E	0.8	1.5	0.7 E
TIRE CORD & FABRIC	*	27.7	27.7 E	*	31.5	31.4 E	*	14.0	14.0 E	*	12.4	12.4 E	0.1	11.8	11.7 E	0.2	9.9	9.7 E
WOVEN FABRIC	17.2	60.3	43.1 E	15.8	70.0	54.2 E	21.4	57.4	36.0 E	25.7	61.5	35.8 E	26.0	45.4	19.4 E	22.3	44.2	21.9 E
KNIT FABRIC	1.6	5.8	4.2 E	1.5	6.3	4.8 E	0.6	5.7	5.1 E	0.4	7.3	6.9 E	0.5	4.9	4.4 E	0.6	3.8	3.2 E
NARROW FABRIC	1.9	6.7	4.8 E	1.6	6.1	4.5 E	1.9	6.2	4.3 E	2.4	6.9	4.5 E	2.3	6.4	4.1 E	2.1	6.7	4.6 E
APPAREL: KNIT	61.9	32.1	87.8 I	39.7	32.0	54.5 I	32.8	33.0	50.3 I	47.2	35.1	74.0 I	60.7	27.8	111.3 I	44.0	24.8	80.6 I
NOT KNIT	58.8			46.8			50.5			61.9			78.4			61.4		
HOME FURNISHINGS	13.8	25.9	27.4 E	13.5	29.0	31.0 E	13.2	22.8	26.1 E	14.1	22.1	26.9 E	16.3	20.4	19.7 E	17.2	18.9	16.8 E
OTHER		15.3			15.5			16.5			18.9			15.6			15.1	
TOTAL MANUFACTURES	**164.0**	**185.5**	**25.5 E**	**124.7**	**205.2**	**80.5 E**	**129.1**	**174.0**	**44.9 E**	**161.4**	**181.7**	**20.3 E**	**192.7**	**146.0**	**46.7 I**	**155.9**	**136.0**	**19.9 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**181.7**	**510.2**	**328.5 E**	**149.4**	**536.3**	**386.9 E**	**164.7**	**527.4**	**362.7 E**	**201.2**	**558.2**	**357.0 E**	**236.7**	**515.7**	**279.0 E**	**193.7**	**487.4**	**293.7 E**
COTTON MANUFACTURES[e]	**222.9**	**125.5**	**97.4 I**	**173.6**	**116.9**	**56.7 I**	**237.3**	**103.1**	**134.2 I**	**231.2**	**105.6**	**125.6 I**	**258.0**	**79.8**	**178.2 I**	**235.4**	**78.8**	**156.6 I**
WOOL MANUFACTURES[f]	**32.1**	**6.4**	**25.7 I**	**21.6**	**5.7**	**15.9 I**	**23.5**	**3.5**	**20.0 I**	**29.2**	**3.4**	**25.8 I**	**36.5**	**2.7**	**33.8 I**	**24.4**	**2.7**	**21.7 I**

SOURCES: The man made fiber import and export data are from the U.S. Bureau of the Census.

The man made, cotton and wool manufactures data are from *Cotton and Wool Situation*, a publication of the U.S. Department of Agriculture.

The total man made fiber and manufactures import, export and balance data of this table cover the cellulosic and non cellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance. **I** is a net import balance.

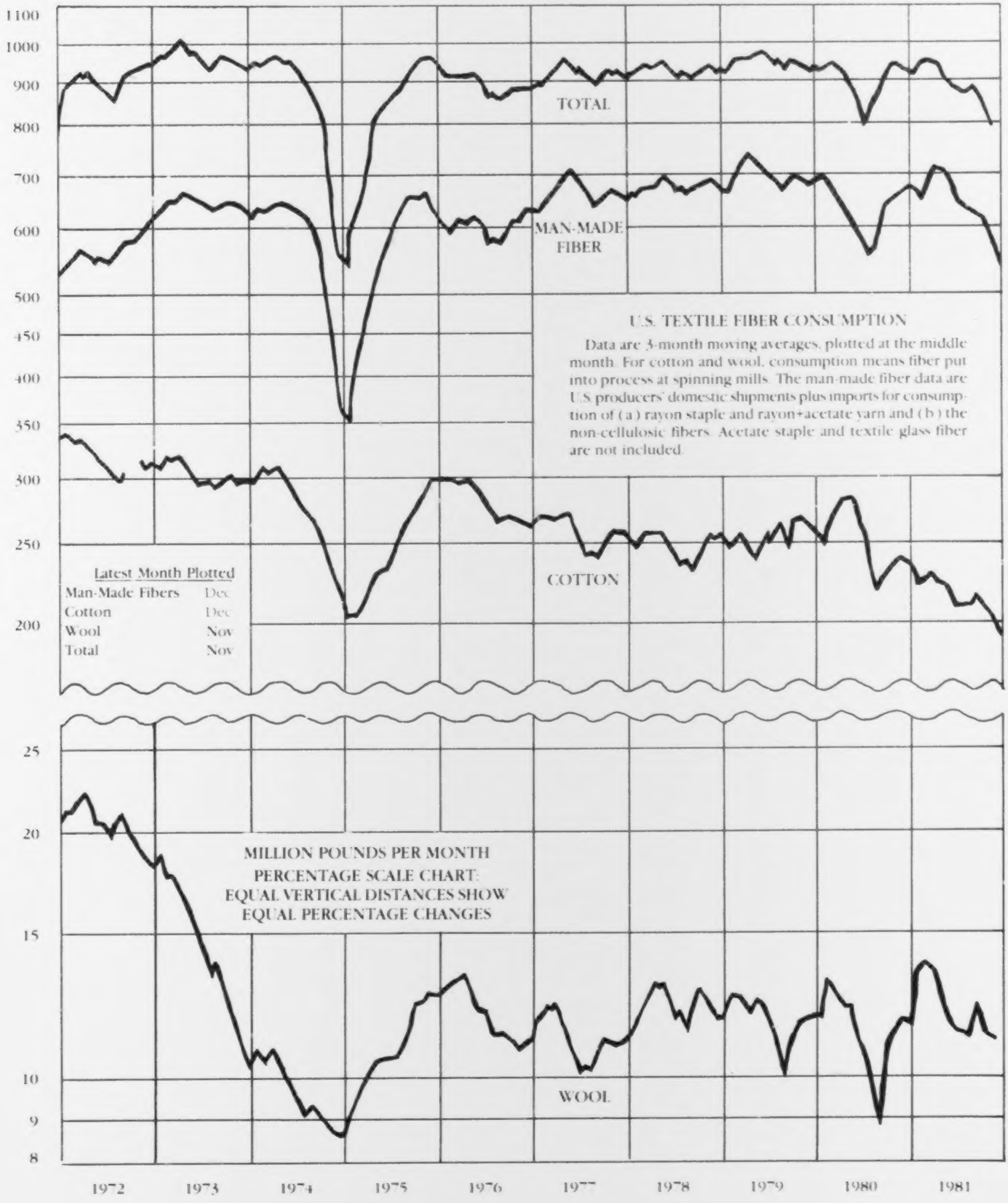
b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man Made Fiber Above" on pages 37 and 38 herewith.

d. Man made fiber equivalent.

e. Raw cotton equivalent. Data are similar to those on page 37 of the March 1981 *Organon* issue.

f. Raw wool content. The data differ from those on page 37 of the March *Organon* issue to the extent that noils and waste are included here.



U.S. TEXTILE FIBER CONSUMPTION

Data are 3-month moving averages, plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man-made fiber data are U.S producers' domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.

Latest Month Plotted	
Man-Made Fibers	Dec
Cotton	Dec
Wool	Nov
Total	Nov

MILLION POUNDS PER MONTH
PERCENTAGE SCALE CHART:
EQUAL VERTICAL DISTANCES SHOW
EQUAL PERCENTAGE CHANGES

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS[a]

MILLION POUNDS

YARN	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT												
RAYON, ACETATE & TRIACETATE	34.1	33.4	27.6	31.6	126.7	35.4	35.9	34.8				
NYLON	104.4	83.2	81.7	94.6	363.9	96.5	88.3	90.2				
POLYESTER	124.8	110.8	105.0	125.4	466.0	139.0	143.4	139.2				
TEXTILE GLASS	53.8	40.7	35.3	37.7	167.5	42.6	37.0	40.3				
OLEFIN & SARAN	74.0	67.9	74.0	112.0	318.9	107.3	80.3	71.4				
ALL OTHER	4.6	2.8			16.4							
TOTAL FILAMENT YARN ABOVE	**395.7**	**338.8**	**321.6**	**401.3**	**1457.4**	**420.8**	**384.9**	**375.9**				
SPUN YARN												
100% COTTON	364.8	348.6	311.7	331.2	1356.3	322.2	323.5	304.2				
100% WOOL	9.4	10.0	6.3	8.4	34.1	12.3	12.4	7.6				
100% ACRYLIC	6.7	8.0	7.4	6.5	28.6	5.6	6.0	5.2				
100% POLYESTER	43.4	35.1	30.8	27.8	137.1	40.5	39.7	41.6				
RAYON AND/OR ACETATE[b]	29.7	22.0	21.4	24.6	97.7	27.8	27.1	24.1				
POLYESTER/COTTON BLENDS[c]	359.6	355.5	324.3	333.2	1372.6	330.5	328.0	316.4				
POLYESTER/WOOL BLENDS[c]	5.1	6.0	5.5	5.6	22.2	6.4	7.6	7.7				
POLYESTER/RAYON BLENDS[c]	35.4	39.4	36.9	45.7	157.4	37.8	39.1	41.0				
TOTAL SPUN YARN ABOVE	**854.1**	**824.6**	**744.3**	**783.0**	**3206.0**	**783.1**	**783.4**	**747.8**				
ALL OTHER YARNS[d]	**28.6**	**24.0**	**24.5**	**31.5**	**108.6**	**28.7**	**29.1**	**27.6**				
GRAND TOTAL	**1278.4**	**1187.4**	**1090.4**	**1215.8**	**4772.0**	**1232.6**	**1197.4**	**1151.3**				

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

[a] Includes data from all types of broad woven fabric mills, i.e., cotton, man made, woolen & worsted and tire cord & fabric mills.

[b] Includes 100% spun rayon and acetate as well as rayon and/or acetate/cotton blends, regardless of blend level.

[c] Regardless of blend level.

[d] All Other Yarns includes spun nylon, other blends, silk and paper.

TIRE CORD & TIRE CORD FABRICS PRODUCTION

MILLION POUNDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
TIRE CORD & TIRE FABRICS												
NYLON	76.0	58.2	57.6	72.5	264.3	86.9	76.4	88.9				
POLYESTER	47.0	31.4	35.0	48.3	161.7	55.2	55.1	54.5				
RAYON	6.1	5.3	8.1	7.9	16.8	4.0	3.7	3.2				
GLASS	5.1	4.1			19.8	5.1	6.3	7.5				
CHAFER & OTHER[a]	7.7	6.4	7.6	8.2	29.9	11.1	7.9	9.2				
TOTAL TIRE CORD & TIRE CORD FABRICS	**141.9**	**105.4**	**108.3**	**136.9**	**492.5**	**162.3**	**149.4**	**163.3**				

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

[a] Includes a nominal amount of cotton and some steel.

(Continued from page 27)

July-September 1981 consumption of spun yarn, at 747.8 million pounds, was 4½% less than the 783.4 million pounds used the previous quarter, but marginally above the 744.3 million pounds consumed during the corresponding 1980 quarter. Comparing third quarter 1981 with second quarter 1981, only 100% polyester, polyester/wool and polyester/rayon spun yarns recorded gains.

BROAD WOVEN CONVERSION FACTORS

During 1980, the U.S. Census Bureau changed from collecting broad woven data in linear yards to collecting them in square yards. Thus, 1980 was both the last year using linear yards as the unit of measure and the first year using square yards. For 1979-1980, see pages 7-9 of the January ***Organon*** for data in linear yards and pages 31-33 herewith for 1980-1981 data in square yards. The tables on pages 34-35 show the linear yards/square yards and the square yards/linear yards conversion factors for man-made fiber broad woven fabrics during 1980. Also note the table on page 10 of the January issue for further conversion factors.

IMPORTS, EXPORTS & BALANCE

The United States ended 1981 with an **export balance** of 1,293.8 million pounds in man-made fibers, as compared with 1,212.1 million pounds in 1980. For man-

BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
COTTON FABRICS	**1249.1**	**1206.5**	**1002.3**	**1079.3**	**4537.2**	**994.8**	**988.2**	**968.0**				
DUCK & ALLIED FABRICS	28.5	25.6	21.8	17.2	93.1	19.5	26.0	25.6				
SHEETING & ALLIED FABRICS	209.7	205.8	156.3	181.1	752.9	181.6	178.0	172.2				
PRINT CLOTH YARN FABRICS	469.1	455.6	376.2	419.7	1720.6	352.9	334.6	340.6				
DENIMS	167.2	170.2	151.0	148.9	637.3	146.1	150.7	155.3				
TOWELING, WASH & DISHCLOTHS	126.5	120.1	106.5	122.5	475.6	127.8	125.1	115.9				
BLANKETING & OTHER NAPPED FABRICS	32.0	27.1	24.2	27.3	110.6	25.9	26.6	22.5				
FINE COTTON FABRICS	34.0	30.8	29.2	17.4	111.4	13.7	16.9	17.1				
CORDUROYS	125.6	113.2	93.3	87.8	419.9	72.6	72.7	66.4				
UPHOLSTERY & TAPESTRY	6.2	9.7	7.3	6.9	30.1	5.9	7.0	7.2				
VELVETS	3.9	3.4	3.1	3.0	13.4	2.1	3.2	3.4				
DRAPERY & BEDSPREAD FABRICS	20.2	20.3	11.9	14.7	67.1	21.4	16.9	15.4				
ALL OTHER FABRICS	26.2	24.7	21.5	32.8	105.2	25.3	30.5	26.4				
WOOLEN & WORSTED FABRICS[a]	**55.4**	**55.8**	**37.3**	**40.7**	**189.2**	**58.4**	**56.5**	**41.1**				
MEN'S & BOYS' CLOTHING	32.0	30.3	19.2	20.6	102.1	33.0	32.7	21.9				
WOMEN'S & CHILDREN'S CLOTHING	19.2	22.3	16.2	16.9	74.6	20.1	22.8	17.7				
NONAPPAREL FABRICS	4.2	3.2	1.9	3.2	12.5	5.3	1.0	1.5				
MAN-MADE FABRICS	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**2985.2**	**2963.3**	**2952.0**				
100% FILAMENT YARN FABRICS												
100% RAYON	6.3	6.7	6.0	7.1	26.1	7.1	6.4	5.9				
COMBINATIONS, CHIEFLY ACETATE	12.4	12.5	11.9	13.9	50.7	14.1	14.0	12.9				
100% NYLON	166.0	156.7	132.4	146.9	602.0	141.8	130.0	137.7				
100% POLYESTER	248.6	278.4	258.8	300.7	1086.5	284.3	301.2	293.8				
COMBINATIONS, CHIEFLY POLYESTER	23.9	22.4	24.0	21.2	91.5	21.5	20.0	21.9				
TEXTILE GLASS	115.2	97.9	85.5	93.2	391.8	106.6	92.8	99.1				
100% ACETATE	81.3	91.5	87.3	98.5	358.6	} 460.5	431.2	407.9				
OTHER	319.8	289.6	302.3	461.7	1373.4							
100% SPUN YARN FABRICS & BLENDS												
RAYON & ACETATE	96.2	90.1	84.8	160.3	431.4	174.1	176.8	142.0				
ACRYLIC+MODACRYLIC	3.9	4.3	5.2	4.7	18.1	2.9	3.7	3.2				
NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5	8.9				
100% POLYESTER	58.3	51.8	53.3	54.8	218.2	78.3	77.1	73.0				
POLYESTER WITH COTTON	1117.4	1100.5	1015.0	1110.0	4342.9	1105.8	1097.1	1143.6				
POLYESTER WITH WOOL[b]	11.4	11.1	13.4	14.5	50.4	12.6	13.4	27.5				
POLYESTER WITH RAYON	147.7	140.4	141.2	167.0	596.3	177.2	190.9	195.0				
POLYESTER WITH OTHER FIBERS	16.6	7.5	14.5	15.4	54.0	15.3	15.6	22.5				
BLANKETING[c]	29.9	31.5	31.6	28.7	121.7	24.6	28.1	14.2				
ALL OTHER	12.3	10.1	9.0	12.4	43.8	4.6	4.6	4.5				
COMBINATIONS & MIXTURES[d]												
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	33.0	30.5				
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	76.3	68.7				
OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0	2.3				
OTHER	121.8	88.6	75.3	97.3	383.0	129.3	140.0	151.0				
SPECIALTY FABRICS												
DRAPERY & BEDSPREAD	54.1	51.7	48.9	43.7	198.4	65.0	60.3	50.5				
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.6	1.8				
VELVETS	4.1	4.3	3.9	3.9	16.2	3.8	3.9	3.4				
UPHOLSTERY & TAPESTRY	29.9	23.0	18.2	26.0	97.1	} 28.9	30.8	30.2				
OTHER[e]	2.7	3.0	2.8	2.2	10.7							
TOTAL BROAD WOVEN FABRICS ABOVE	**4085.3**	**3925.6**	**3556.5**	**4131.5**	**15698.9**	**4038.4**	**4008.0**	**3961.1**				

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Felts are not included.

b. Includes polyester blanketing for 3rd Q 1981.

c. Acrylic+modacrylic and polyester. Does not include polyester for 3rd Q 1981.

d. Includes filament & spun yarn fabrics.

e. 100% or chiefly man made fibers; chief fiber not specified. Also includes small poundages of tie, twisted paper yarn and girdle & swimwear fabrics.

made fiber manufactures, however, the U.S. had an **import balance** of 1.4 million pounds. This compares with an **export balance** of 230.9 million pounds in 1980. Thus, for all man-made fiber products, the U.S. recorded an **export balance** of 1,292.4 million pounds, 10% less than the 1,443.0 million pound **export balance** achieved in 1980.

For cotton manufactures, the **import balance** more than doubled to 594.6 million pounds in 1981 from 287.8 million pounds in 1980, a jump of 306.8 million pounds. The 1981 **import balance** of wool manufactures totaled 101.3 million pounds, 28% more than the 1980

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1980 YEAR	1981 1ST Q	1981 2ND Q	1981 3RD Q	1981 4TH Q	1981 YEAR	1982 1ST Q	1982 2ND Q
100% FILAMENT YARN FABRICS	**973.5**	**955.7**	**908.2**	**1143.2**	**3980.6**	**1035.9**	**995.6**	**979.2**				
100% FILAMENT ACETATE	81.3	91.5	87.3	98.5	358.6	a	a	a				
TAFFETAS (PLAIN WEAVE)												
75 DENIER WARP	13.0	14.0	10.6	8.7	46.3	8.4	7.8	8.1				
150 DENIER WARP	9.3	7.9	9.9	12.7	39.8	9.5	11.2	13.6				
ALL OTHER	13.7	19.9	31.2	33.5	98.3	36.5	36.6	26.5				
SATINS	12.0	20.9	9.9	12.5	55.3	a	a	a				
ALL OTHER[b]	33.3	28.8	25.7	31.1	118.9	a	a	a				
FILAMENT COMB., CHIEFLY ACETATE	12.4	12.5	11.9	13.9	50.7	14.1	14.0	12.9				
100% FILAMENT RAYON	6.3	6.7	6.0	7.1	26.1	7.1	6.4	5.9				
TWILLS	4.4	5.1	4.9	6.1	20.5	6.4	5.7	4.5				
ALL OTHER[c]	1.9	1.6	1.1	1.0	5.6	0.7	0.7	1.4				
100% FILAMENT NYLON	166.0	156.7	132.4	146.9	602.0	141.8	130.0	137.7				
TAFFETAS (PLAIN WEAVE)												
50 & 70 DENIER	51.0	59.4	53.0	59.0	222.4	81.5	74.4	77.6				
ALL OTHER	34.0	28.0	22.6	24.4	109.0							
TWILLS & SATINS MARQUISETTES, NINONS & OTHER SHEERS	4.3	4.0	3.1	3.3	14.7							
INDUSTRIAL TYPE	68.8	59.1	48.4	55.5	231.8	56.0	52.6	56.2				
ALL OTHER	7.9	6.2	5.3	4.7	24.1	4.3	3.0	3.9				
100% FILAMENT POLYESTER	248.6	278.4	258.8	300.7	1086.5	284.3	301.2	293.8				
TEXTURED YARN												
UP TO 4 OZ. SQ. YD.	43.6	51.6	52.9	52.5	200.6	56.9	60.0	64.7				
4 OZ. & OVER SQ. YD.	141.4	165.9	152.7	185.6	645.6	170.1	180.0	169.9				
NONTEXTURED YARN												
INDUSTRIAL TYPE	17.4	14.3	12.5	13.1	57.3	13.5	10.0	9.9				
MARQUIS., NINONS & OTHER SHEERS	33.3	33.7	34.2	39.7	140.9	33.6	43.0	42.8				
TAFFETAS	12.9	12.9	6.5	9.8	42.1	7.0	4.8	2.9				
ALL OTHER						3.2	3.4	3.6				
FILAMENT COMB., CHIEFLY POLYESTER	23.9	22.4	24.0	21.2	91.5	21.5	20.0	21.9				
GLASS FIBER	115.2	97.9	85.5	93.2	391.8	106.6	92.8	99.1				
INDUSTRIAL												
WOVEN ROVING & SCREENING	13.6	13.1	9.4	8.6	44.7	9.8	9.7	8.5				
ALL OTHER[d]	101.6	84.8	76.1	84.6	347.1	96.8	83.1	90.6				
OTHER 100% FILAMENT YARN[e]	319.8	289.6	302.3	461.7	1373.4	406.1	375.6	359.7				

See footnotes on opposite page

import balance of 79.0 million pounds.

NON-CELLULOSIC SHIPMENTS FELL 10% IN JANUARY

January 1982 shipments of non-cellulosic fibers (except saran and spandex) totaled 523.8 million pounds, a decline of 10% from the 583.7 million pounds shipped in December 1981. As compared with January 1981 shipments of 665.6 million pounds, deliveries in January 1982 were off 21%.

Non-cellulosic yarn+monofilament deliveries (except saran and spandex) totaled 248.9 million pounds last month, 6% less than December 1981 shipments of 265.4 million pounds and 21% below year-ago levels. Deliveries of non-cellulosic staple+tow during January 1982 were 274.9 million pounds, a decrease of 14% from the 318.3 million pounds shipped in December 1981 and 21% below the January 1981 level of 349.4 million pounds.

JANUARY 1982 AND DECEMBER 1981 SHIPMENTS COMPARED

Following is a comparison of total January 1982 shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with December 1981 (million pounds), and the percentage change, respectively: nylon industrial yarn 26.2 & 27.8 & -6%; low denier industrial 2.6 & 2.6 & no change; carpet 40.3 & 42.9 & -6%; textile 27.9 & 30.8 & -9½%; polyester industrial 22.6 & 22.6 & no change; low denier industrial 1.9 & 1.5 & +27%; textile 75.4 & 85.3 & -12%; olefin 52.0 & 51.9 & marginal change and the total of these fibers 248.9 & 265.4 & -6%.

For non-cellulosic staple+tow+fiberfill, the corresponding data are: nylon 48.0 & 42.8 & +12%; acrylic +modacrylic 45.8 & 52.8 & -13%; polyester 173.3 & 212.8 & -19%; olefin+vinyon 7.8 & 9.9 & -21% and the total 274.9 & 318.3 & -14%.

JANUARY 1982 CELLULOSIC SHIPMENTS INCREASED 1½%

Shipments of acetate yarn+monofilaments and rayon staple+tow reversed their decline of recent months. January 1982 shipments of these fibers totaled 49.4 million pounds, 1½% more than the 48.6 million pounds

(Continued on page 34)

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION *(Continued)*

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% SPUN YARN FABRICS & BLENDS	**1498.9**	**1453.4**	**1373.2**	**1574.1**	**5899.6**	**1604.0**	**1619.8**	**1634.4**				
SPUN RAYON AND/OR ACETATE[f]	96.2	90.1	84.8	160.3	431.4	174.1	176.8	142.0				
SPUN ACRYLIC+MODACRYLIC[f]	3.9	4.3	5.2	4.7	18.1	2.9	3.7	3.2				
SPUN NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5	8.9				
100% SPUN POLYESTER[f]	58.3	51.8	53.3	54.8	218.2	78.3	77.1	73.0				
PRINT CLOTH YARN	15.8	16.5	18.6	12.6	63.5	11.2	13.8	13.4				
ALL OTHER	42.5	35.3	34.7	42.2	154.7	67.1	63.3	59.6				
SPUN POLYESTER BLENDS WITH COTTON[f]	1117.4	1100.5	1015.0	1110.0	4342.9	1105.8	1097.1	1145.6				
BATISTE	74.2	66.5	65.6	74.8	281.1	77.2	67.0	66.9				
BED SHEETING	415.9	426.6	373.7	402.9	1619.1	404.3	398.1	418.2				
BROADCLOTH	120.4	99.0	89.6	93.3	402.3	80.4	62.4	67.7				
CORDUROY	19.0	22.6	21.2	24.6	87.4	17.9	18.7	g				
VOILES						8.9	9.5	11.0				
OXFORDS												
SHIRTING	6.3	6.6	6.3	12.2	31.4	12.3	11.4	17.3				
OTHER (INCL. HOPSACKS)	12.5	12.0	14.2	15.4	54.1	13.2	13.1	16.4				
POPLINS	55.7	68.4	60.9	60.3	245.3	59.2	73.3	85.5				
PRINT CLOTH YARN												
PLAIN PRINT CLOTH[h]	156.2	145.2	152.8	164.2	593.3	187.1	202.9	223.1				
ALL OTHER	12.3	15.5			52.7							
SATEENS	24.1	22.5	22.0	23.9	92.5	15.8	6.4	4.7				
TWILLS INCL. GABARDINE												
HEAVIER THAN 2 SQ YD/LB	30.6	28.6	31.8	30.2	121.2	29.9	38.5	33.7				
2 SQ YD/LB & LIGHTER	62.1	56.8	48.9	67.0	234.8	68.1	61.7	60.7				
YARN DYED[i]	77.6	72.9	68.1	66.3	284.9	62.2	62.4	55.4				
ALL OTHER[j]	50.7	57.3	59.9	74.9	242.8	69.3	71.7	82.4				
SPUN POLYESTER BLENDS WITH WOOL[k]	11.4	11.1	13.4	14.5	50.4	12.6	13.4	27.5				
SPUN POLYESTER BLENDS WITH RAYON[f]	147.7	140.4	141.2	167.0	596.3	177.2	190.9	195.0				
PLAIN PRINT CLOTH	89.8	89.8	88.0	100.4	368.0	115.8	118.9	114.0				
OTHER PRINT CLOTH	18.8	17.4	53.2	66.6	57.1	61.4	72.0	80.4				
ALL OTHER	39.1	33.2			171.2							
SPUN POLYESTER BLENDS WITH OTHER FIBERS[f]	16.6	7.5	14.5	15.4	54.0	15.3	15.6	22.5				
SPUN POLYESTER BLANKETING	11.8	11.7	14.2	13.0	50.7	10.2	12.2	l				
SPUN ACRYLIC+MODACRYLIC BLANKETING	18.1	19.8	17.4	15.7	71.0	14.4	15.9	14.2				
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	12.3	10.1	9.0	12.4	43.8	4.6	4.6	4.5				
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**215.6**	**170.9**	**160.4**	, **216.9**	**763.8**	**246.3**	**251.3**	**252.5**				
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	35.0	30.5				
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	76.3	68.7				
ALL OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0	2.3				
SPUN WARP WITH FILAMENT FILLING	101.1	68.6	75.3	97.3	313.2	129.3	140.0	151.0				
COMBINATION FILAMENT & SPUN WARP OR FILLING	20.7	20.0			69.8							
OTHER SPECIALTY FABRICS	**92.8**	**83.3**	**75.1**	**77.3**	**328.5**	**99.0**	**96.6**	**85.9**				
DRAPERY & BEDSPREAD[m]	54.1	51.7	48.9	43.7	198.4	65.0	60.3	50.5				
JACQUARD WOVEN	2.2	1.5	1.5	1.3	6.5	2.8	3.3	2.7				
OTHER WOVEN	51.9	50.2	47.4	42.4	191.9	62.2	57.0	47.8				
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.6	1.8				
VELVETS, PLUSHES & OTHER PILE	4.1	4.3	3.9	3.9	16.2	3.8	3.9	3.4				
UPHOLSTERY & TAPESTRY	29.9	23.0	18.2	26.0	97.1	28.9	30.8	30.2				
ALL OTHER[n]	2.7	3.0	2.8	2.2	10.7							
TOTAL MAN-MADE FIBER FABRICS ABOVE	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**4015.1**	**4008.0**	**3[illegible]1.1**				

SOURCE: U.S. Census Bureau, ***Current Indusirial Report MQ-22T.***

a. Included in Other 100% Filament Yarn below.

b. Includes marquisettes, ninons, sheers, industrials and twills.

c. Includes marquisettes, ninons, sheers, industrials, taffetas and satins.

d. Includes household fabrics (marquisettes, drapery, upholstery, etc.).

e. Includes filament combinations, chiefly rayon, and saran & olefin. Also includes 100% filament acetate (except taffetas) for 1981.

f. Except blanketing.

g. Included in All Other Spun Polyester Blends With Cotton below.

h. Includes carded broadcloth.

i. Includes overdyed fabrics.

j. Includes seersucker and piece-dyed pattern fabrics. Also includes corduroy for 3rd Q 1981.

k. Does not include blanketing, except for polyester blanketing in 3rd Q 1981.

l. Included in Spun Polyester Blends With Wool above for 3rd Q 1981.

m. Except glass.

n. Includes tie, twisted paper yarn and girdle & swimwear fabrics.

1980 MAN-MADE FIBER BROAD WOVEN GOODS CONVERSION FACTORS

TYPE OF FABRIC	LINEAR YARDS/SQUARE YARDS					SQUARE YARDS/LINEAR YARDS				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
100% FILAMENT YARN FABRICS	**0.646**	**0.640**	**0.643**	**0.616**	**0.635**	**1.549**	**1.564**	**1.555**	**1.622**	**1.574**
100% FILAMENT ACETATE	0.756	0.751	0.750	0.755	0.753	1.322	1.332	1.333	1.324	1.328
TAFFETAS (PLAIN WEAVE)										
75 DENIER WARP	0.792	0.793	0.774	0.816	0.793	1.262	1.261	1.292	1.225	1.262
150 DENIER WARP	0.710	0.709	0.778	0.654	0.709	1.409	1.411	1.286	1.530	1.411
ALL OTHER	0.752	0.759	0.737	0.773	0.756	1.330	1.318	1.357	1.293	1.323
SATINS	0.700	0.694	0.657	0.720	0.694	1.429	1.441	1.523	1.389	1.440
ALL OTHER[a]	0.778	0.778	0.782	0.775	0.778	1.286	1.286	1.279	1.290	1.285
FILAMENT COMB. CHIEFLY ACETATE	0.718	0.720	0.706	0.719	0.716	1.393	1.389	1.417	1.390	1.397
100% FILAMENT RAYON	0.857	0.851	0.867	0.887	0.866	1.167	1.175	1.154	1.127	1.155
TWILLS	0.909	0.882	0.898	0.918	0.902	1.100	1.133	1.114	1.089	1.108
ALL OTHER[b]	0.737	0.750	0.727	0.700	0.732	1.357	1.333	1.375	1.429	1.366
100% FILAMENT NYLON	0.689	0.692	0.695	0.689	0.691	1.451	1.444	1.439	1.452	1.447
TAFFETAS (PLAIN WEAVE)										
50 & 70 DENIER	0.725	0.724	0.725	0.715	0.722	1.378	1.381	1.380	1.398	1.385
ALL OTHER	0.700	0.704	0.712	0.693	0.702	1.429	1.421	1.404	1.444	1.425
TWILLS & SATINS }	0.698	0.700	0.710	0.697	0.701	1.433	1.429	1.409	1.435	1.427
MARQUISETTES, NINONS & OTHER SHEERS }										
INDUSTRIAL TYPE	0.654	0.655	0.649	0.661	0.655	1.529	1.527	1.541	1.512	1.527
ALL OTHER	0.709	0.694	0.736	0.660	0.701	1.411	1.442	1.359	1.516	1.426
100% FILAMENT POLYESTER	0.611	0.604	0.606	0.603	0.606	1.638	1.656	1.649	1.659	1.651
TEXTURED YARN										
UP TO 4 OZ. SQ YD	0.564	0.564	0.561	0.566	0.564	1.772	1.773	1.781	1.768	1.774
4 OZ & OVER SQ YD	0.535	0.538	0.540	0.531	0.536	1.870	1.860	1.851	1.884	1.867
NONTEXTURED YARN										
INDUSTRIAL TYPE	0.661	0.664	0.664	0.664	0.663	1.513	1.505	1.506	1.506	1.508
MARQUIS., NINONS & OTHER SHEERS	0.955	0.953	0.959	0.947	0.953	1.047	1.050	1.043	1.056	1.049
TAFFETAS }	0.643	0.636	0.554	0.694	0.639	1.554	1.573	1.806	1.441	1.565
ALL OTHER }										
FILAMENT COMB. CHIEFLY POLYESTER	0.519	0.522	0.517	0.519	0.519	1.927	1.915	1.935	1.927	1.926
GLASS FIBER	0.878	0.871	0.828	0.935	0.879	1.139	1.148	1.208	1.069	1.138
INDUSTRIAL										
WOVEN ROVING & SCREENING	0.551	0.550	0.585	0.523	0.553	1.813	1.819	1.709	1.911	1.810
ALL OTHER[c]	0.921	0.921	0.858	0.978	0.921	1.085	1.086	1.165	1.023	1.086
OTHER 100% FILAMENT YARN[d]	0.541	0.532	0.572	0.505	0.534	1.847	1.878	1.748	1.979	1.872

See footnotes on opposite page

(Continued from page 32)

shipped in December 1981 but 20% below the 61.8 million pounds shipped in January 1981.

Shipments of acetate yarn last month totaled 19.1 million pounds, 19% above the 16.0 million pounds delivered in December 1981 but 8½% less than the 20.9 million pounds shipped during the corresponding month last year. Rayon staple+tow deliveries during January 1982 totaled 30.3 million pounds, 7% less than the 32.6 million pounds shipped the previous month and 26% less than January 1981 shipments of 40.9 million pounds.

SANS STATISTICS

WORDS OUT OF CONTEXT

A column appearing in ***The Morning News*** of Wilmington, DE on February 3rd, 1982 has come to our attention. The column mentioned companies promoting their products on the Mike Douglas show and included a fashion show as an example:

"Another Douglas program was highlighted by a fashion show. As it turns out, all the fashions were made by Celanese, and the bill for the entire segment was footed by DuPont, the parent company of Celanese."

Undoubtedly the columnist should have placed a local phone call to verify his facts. DuPont would be the last to sponsor a fashion show by Celanese, ***its competitor.***

1980 MAN-MADE FIBER BROAD WOVEN GOODS CONVERSION FACTORS *(Continued)*

TYPE OF FABRIC	LINEAR YARDS/SQUARE YARDS					SQUARE YARDS/LINEAR YARDS				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
100% SPUN YARN FABRICS & BLENDS	**0.628**	**0.626**	**0.631**	**0.643**	**0.632**	**1.591**	**1.598**	**1.584**	**1.555**	**1.581**
SPUN RAYON AND/OR ACETATE[e]	0.846	0.869	0.862	0.929	0.885	1.182	1.151	1.160	1.077	1.130
SPUN ACRYLIC-MODACRYLIC[e]	0.615	0.628	0.596	0.681	0.630	1.625	1.593	1.677	1.469	1.588
SPUN NYLON	0.615	0.623	0.635	0.603	0.618	1.625	1.605	1.576	1.658	1.617
100% SPUN POLYESTER[e]	0.549	0.556	0.550	0.551	0.551	1.822	1.799	1.819	1.815	1.814
PRINT CLOTH YARN	0.646	0.648	0.608	0.698	0.646	1.549	1.542	1.646	1.432	1.549
ALL OTHER	0.513	0.513	0.519	0.507	0.513	1.950	1.950	1.928	1.972	1.951
SPUN POLYESTER BLENDS WITH COTTON[e]	0.597	0.594	0.599	0.597	0.596	1.676	1.685	1.671	1.675	1.677
BATISTE	0.710	0.710	0.727	0.697	0.710	1.408	1.409	1.375	1.436	1.408
BED SHEETING	0.453	0.452	0.451	0.450	0.452	2.210	2.210	2.215	2.224	2.215
BROADCLOTH	0.674	0.675	0.673	0.676	0.675	1.483	1.482	1.486	1.479	1.482
CORDUROY	} 0.768	0.770	0.731	0.797	0.768	1.301	1.299	1.368	1.255	1.303
VOILES										
OXFORDS										
SHIRTING	0.714	0.712	0.762	0.697	0.717	1.400	1.404	1.313	1.435	1.396
OTHER (INCL. HOPSACKS)	0.720	0.717	0.718	0.714	0.717	1.389	1.395	1.392	1.400	1.394
POPLINS	0.677	0.677	0.675	0.675	0.676	1.477	1.477	1.482	1.482	1.479
PRINT CLOTH YARN										
PLAIN PRINT CLOTH[f]	0.673	0.673	} 0.677	0.680	0.673	1.486	1.486	} 1.478	1.470	1.485
ALL OTHER	0.744	0.742			0.740	1.344	1.348			1.351
SATEENS	0.593	0.591	0.573	0.590	0.587	1.685	1.692	1.746	1.695	1.704
TWILLS, INCL. GABARDINE										
HEAVIER THAN 2 SQ YD/LB	0.654	0.654	0.654	0.652	0.653	1.530	1.529	1.529	1.533	1.530
2 SQ YD/LB & LIGHTER	0.668	0.669	0.697	0.649	0.669	1.496	1.495	1.434	1.540	1.495
YARN DYED[g]	0.693	0.690	0.692	0.689	0.691	1.442	1.449	1.446	1.451	1.447
ALL OTHER[h]	0.692	0.693	0.689	0.693	0.692	1.444	1.443	1.450	1.443	1.445
SPUN POLYESTER BLENDS WITH WOOL[e]	0.605	0.604	0.597	0.607	0.603	1.652	1.657	1.675	1.648	1.658
SPUN POLYESTER BLENDS WITH RAYON[e]	0.760	0.759	0.771	0.707	0.747	1.315	1.318	1.297	1.415	1.338
PLAIN PRINT CLOTH	0.742	0.742	0.742	0.741	0.742	1.348	1.348	1.348	1.349	1.348
OTHER PRINT CLOTH	0.777	0.776	} 0.820	0.655	0.776	1.288	1.289	} 1.220	1.528	1.289
ALL OTHER	0.795	0.795			0.751	1.257	1.258			1.332
SPUN POLYESTER BLENDS WITH OTHER FIBERS[e]	0.759	0.760	0.759	0.766	0.761	1.317	1.316	1.318	1.305	1.314
SPUN POLYESTER BLANKETING	0.551	0.547	0.528	0.577	0.550	1.815	1.828	1.893	1.733	1.817
SPUN ACRYLIC-MODACRYLIC BLANKETING	0.536	0.540	0.534	0.548	0.539	1.866	1.850	1.871	1.826	1.854
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	0.675	0.673	0.667	0.685	0.676	1.482	1.485	1.500	1.459	1.480
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**0.566**	**0.576**	**0.585**	**0.577**	**0.575**	**1.767**	**1.737**	**1.710**	**1.732**	**1.738**
FILAMENT RAYON OR ACETATE WARP	0.704	0.713	0.663	0.736	0.709	1.420	1.402	1.508	1.358	1.412
FILAMENT POLYESTER WARP	0.587	0.586	0.605	0.574	0.587	1.703	1.706	1.654	1.744	1.704
ALL OTHER FILAMENT WARP	0.571	0.574	0.545	0.581	0.571	1.750	1.741	1.833	1.722	1.752
SPUN WARP WITH FILAMENT FILLING	0.510	0.510	} 0.550	0.533	0.512	1.959	1.960	} 1.819	1.875	1.953
COMBINATION FILAMENT & SPUN WARP OR FILLING	0.667	0.665			0.668	1.500	1.504			1.498
OTHER SPECIALTY FABRICS	**0.744**	**0.745**	**0.775**	**0.714**	**0.744**	**1.345**	**1.341**	**1.290**	**1.400**	**1.344**
DRAPERY & BEDSPREAD[j]	0.732	0.733	0.757	0.709	0.733	1.366	1.364	1.322	1.410	1.364
JACQUARD WOVEN	0.727	0.733	0.733	0.769	0.738	1.375	1.364	1.364	1.300	1.354
OTHER WOVEN	0.732	0.733	0.757	0.708	0.733	1.366	1.364	1.320	1.413	1.364
SILK	0.950	0.846	0.923	0.933	0.918	1.053	1.182	1.083	1.071	1.089
VELVETS, PLUSHES & OTHER PILE	0.902	0.884	0.872	0.872	0.883	1.108	1.132	1.147	1.147	1.133
UPHOLSTERY & TAPESTRY	0.709	0.713	0.769	0.669	0.711	1.410	1.402	1.300	1.494	1.407
ALL OTHER[j]	0.963	0.967	0.929	0.909	0.944	1.038	1.034	1.077	1.100	1.059
TOTAL MAN-MADE FIBER FABRICS ABOVE	**0.689**	**0.688**	**0.687**	**0.680**	**0.686**	**1.451**	**1.453**	**1.455**	**1.471**	**1.457**

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Includes marquisettes, ninons, sheers, industrials and twills
b. Includes marquisettes, ninons, sheers, industrials, taffetas and satins
c. Includes household fabrics (marquisettes, drapery, upholstery, etc.)
d. Includes filament combinations, chiefly rayon, and saran & olefin
e. Except blanketing
f. Includes carded broadcloth
g. Includes overdyed fabrics
h. Includes seersucker and piece dyed pattern fabrics
i. Except glass
j. Includes tie, twisted paper yarn and girdle & swimwear fabrics

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM	1981												YEAR		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980	1979
RAYON+ACETATE YARN, MONOFIL & STRIPS															
CANADA	318	125	8	1	12	5	0	15	4	14	35	87	624	793	1853
MEXICO	161	79	163	41	191	166	81	246	121	78	68	122	1517	1558	1510
BELGIUM	0	50	25	0	76	0	23	0	0	6	16	0	196	0	57
WEST GERMANY	242	290	555	200	639	179	115	357	306	435	205	229	3752	1114	3236
GREECE	0	0	0	0	39	0	0	0	0	82	40	0	161	0	11
NETHERLANDS	236	593	333	293	262	194	372	330	284	197	198	90	3382	2051	436
SPAIN	142	0	0	0	41	0	40	0	0	0	0	41	264	99	78
UNITED KINGDOM	1	10	0	6	41	0	90	73	14	0	0	0	235	1625	3971
JAPAN	64	0	0	0	33	36	0	28	14	51	25	0	251	658	504
SOUTH KOREA	1	0	0	40	40	0	0	0	60	34	0	0	175	120	1019
ALL OTHER COUNTRIES[a]	19	4	0	0	0	20	5	38	0	24	9	43	162	284	616
TOTAL R+A YARN	**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**	**612**	**10719**	**8302**	**13271**
RAYON+ACETATE STAPLE+TOW															
CANADA	409	474	436	451	421	392	411	463	407	401	295	204	4824	2052	1676
AUSTRIA	791	113	166	303	708	250	463	368	526	300	651	64	4703	1343	5544
FRANCE	18	83	39	43	0	45	0	0	0	194	0	0	422	126	407
WEST GERMANY	0	0	85	0	0	0	0	43	2	43	0	87	260	215	383
ITALY	0	12	0	0	36	16	105	115	0	292	0	0	576	0	17
SWEDEN	332	234	184	0	187	227	227	298	224	184	331	281	2709	2922	5588
UNITED KINGDOM	226	76	7	157	203	235	349	75	122	249	148	39	1886	1611	1884
JAPAN	90	147	74	118	59	88	105	87	60	220	99	78	1225	1085	773
ALL OTHER COUNTRIES[b]	0	0	0	0	0	0	2	0	96	37	0	23	158	52	257
TOTAL R+A STAPLE	**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**	**776**	**16763**	**10306**	**16529**
NON-CELLULOSIC YARN, MONOFIL & STRIPS															
CANADA	50	98	4	579	415	280	389	263	55	45	207	121	2506	2916	481
MEXICO	14	20	12	15	44	9	3	99	2	8		39	265	40	5
AUSTRIA	0		0	0	64	0	41	10	0	11	0	11	137	1	0
BELGIUM		0	0	0		1	0	5	57	68		0	131	34	215
FRANCE	94	130	203	210	166	109	235	125	101	214	137	112	1836	779	1378
WEST GERMANY	256	382	275	501	426	353	320	508	352	470	557	206	4606	3038	2959
ITALY	52	152	35	0	108	79	0	333	227	155	47	41	1229	258	305
NETHERLANDS	0	1	9	0	49	28		42	0	3	38	1	171	159	180
SPAIN	61	0	0	0	0	0	0	179	0	99	0	0	339	62	372
SWITZERLAND	1	3	8	0	3	3	50		3	50	1	28	150	21	30
UNITED KINGDOM	57	114	37	3	5	1	4	15	14	48	27	56	381	658	749
JAPAN	300	671	357	776	662	743	773	601	360	670	691	262	6866	10992	11940
SOUTH KOREA	5	36	3	3	43	2	1	3	3	2	1	1	105	13	0
ALL OTHER COUNTRIES[c]	2	3	6	0	50	6	2	0	31	11	42	61	214	643	1300
TOTAL N.C. YARN	**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**	**939**	**18934**	**19614**	**20004**
NON-CELLULOSIC STAPLE+TOW															
CANADA	328	350	449	531	714	425	1250	649	696	617	354	285	6647	2460	1071
MEXICO	190	28	97	510	693	217	141	384	264	483	781	42	3830	31	19
BELGIUM	0	130	0	152	70	2	5	36	51	115	203	128	872	4	76
FRANCE	44	797	198	508	533	254	528	108	472	406	379	56	4343	49	79
WEST GERMANY	541	1963	1625	2233	1644	1345	2386	2453	732	1601	846	751	18120	10243	9872
IRELAND		56	0	0	0	0	39	0	39	87	0	39	260	57	0
ITALY	7	815	616	423	717	164	1426	649	1202	72	1193	50	7332	1236	2800
NETHERLANDS	0	39	44	80	35	15	15	98	37	24	15	44	446	20	2
POLAND	44	38	0	0	89	0	0	3	0	0	26	0	200	65	43
ROMANIA	0	0	132	84	28	0	23	0	71	287	0	58	683	559	1080
UNITED KINGDOM	208	508	320	173	264	818	713	607	306	411	465	282	5075	2293	3088
EGYPT	0	0	0	0	0	0	0	0	333	0	0	0	333	0	0
JAPAN	828	335	367	493	343	478	454	288	202	356	264	328	4716	6013	9006
TAIWAN	324	745	588	875	583	866	198	852	1291	653	258	130	7363	12440	10614
ALL OTHER COUNTRIES[d]	0	13	0	16	1	54	23	72	26	11	79	2	297	118	369
TOTAL N.C. STAPLE	**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**	**2195**	**60517**	**35568**	**39319**

Other countries supplying 1981 poundages are:

a. Austria 63, France 44, Italy 4, Sweden 2, Taiwan 28 & Yugoslavia 21.

b. Belgium 96, Mexico 1, Netherlands 60 & Venezuela 1.

c. Australia 1, Costa Rica 60, Denmark 81, Hong Kong 2, Iceland 1, Ireland 35, Israel 10, Portugal 11, Sweden 10 & Taiwan 3.

d. Austria 44, Brazil 20, Costa Rica 40, Denmark 3, Hong Kong 16, Israel 31, South Korea 31, Portugal 16, South Africa 23, Spain 3 & Switzerland 70.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1-1-78	1981												YEAR		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980	1979
RAYON+ACETATE																
YARN - SINGLES																
TEXTURED	310.0100 & .0200	1	10	0	242	4	0	0		0	0	0	43	309	912	2695
OTHER	310.0130 & .0230[a]	1182	1139	1084	339	1370	600	712	1072	803	920	587	565	10373	7380	10495
MONOFILAMENTS	309.0510 & .0610	1	2	0	0	0	0	0	0	0	1	0		4	0	
STRIPS $1 LB & UNDER	309.2000*	0	0	0	0		0	5	15	0	0	9	4	33	10	81
SUBTOTAL ABOVE		**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**	**612**	**10719**	**8302**	**13271**
STAPLE	309.4320 & .4325	1627	1006	927	887	1442	990	1311	1317	1358	1686	1338	737	14626	7998	13949
GROUPED FILAMENTS	309.3010 & .3110	239	133	64	185	232	263	351	132	79	234	186	39	2137	2308	2580
SUBTOTAL ABOVE		**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**	**776**	**16763**	**10306**	**16529**
WASTE - ADVANCED & NOT ADVANCED	309.6015 & .7510	27	7	47	0	35	40	65	46	40	58	116	38	519	339	803
NON-CELLULOSIC FIBERS																
YARN - SINGLES																
TEXTURED - NYLON	310.0108 & .0208	107	217	215	586	507	475	471	159	170	443	105	286	3827	3154	953
POLYESTER	310.0110 & .0210	27	7	22	13	70	80	1	294	98	10	65	66	768	337	1085
OTHER	310.0114 & .0214	17	50	8	17	49	23	85	21	3	140	35	29	492	195	153
OTHER - NYLON	310.0149 & .0249	204	525	127	542	487	454	317	410	438	284	208	74	4070	3572	6105
POLYESTER	310.0150 & .0250	111	411	299	399	482	491	293	935	190	618	941	271	5441	6672	7579
OTHER	310.0170 & .0270[b]	170	183	113	188	164	56	182	81	108	111	89	150	1595	1417	1340
MONOFILAMENTS	309.0320 & .0330[c]	145	200	149	321	258	220	458	203	161	220	191	29	2615	4058	2365
STRIPS OVER $1 LB	309.2100 & .2500*	21	11	10	21	9	15	11	14	31	13	24	54	220	229	420
SUBTOTAL ABOVE		**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**	**939**	**18934**	**19614**	**20004**
STAPLE - NYLON	309.4338	525	2086	1698	2533	2455	1574	4055	3238	2062	564	1729	517	23576	1698	2364
POLYESTER	309.4342	132	111	306	661	847	303	328	576	840	1187	1066	242	6649	1344	4087
ACRYLIC	309.4345	1069	1594	907	1201	1005	565	736	695	480	1259	569	385	10465	13296	13047
OLEFIN	309.4340	5	0	304	1	5	71	474	79	125	60	10		1134	144	57
OTHER	309.4355	409	961	673	1088	852	1281	356	1285	1066	1069	610	350	10066	14574	15706
GROUPED FILAMENTS																
NYLON	309.3030 & .3130	68	50	68	147	155	196	500	23	18	473	300	187	2175	1022	719
POLYESTER	309.3040 & .3140	0	42	0	0	44	90	18	30		43	22	47	336	129	44
ACRYLIC	309.3050 & .3150	186	255	178	291	195	312	372	250	175	375	477	307	3434	2008	2910
OTHER	309.3065 & .3165	65	116	302	166	156	186	342	77	336	153	73	110	2082	753	1325
SUBTOTAL ABOVE		**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**	**2195**	**60517**	**35568**	**39319**
WASTE - NOT ADVANCED - NYLON	309.6025	1598	1587	2822	1713	2134	1607	2239	2344	2417	2114	2458	2222	25255	11658	12843
POLYESTER	309.6030	1071	1810	1547	1005	1473	1321	1458	1409	1282	2508	1491	1756	18111	5036	3333
ACRYLIC	309.6045	289	258	200	236	479	269	87	514	3	30	424	183	2872	2358	2395
OTHER	309.6060	32	203	263	328	127	331	196	340	15	308	346	420	2909	905	1568
NOILS & GARNETTED FIBERS	309.6200 & .7000*	0	0	0	0	0	0	29	28	0	28	0		85	4	3
OTHER WASTE - ADVANCED	309.7525 - .7555	119	63	3	35	2	0	23	58	31	117	74	5	536	625	984
TOTAL MAN-MADE ABOVE		**9602**	**13643**	**12332**	**13135**	**14947**	**11679**	**15464**	**15717**	**12935**	**15041**	**13639**	**9146**	**157280**	**95675**	**111052**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD																
YARN - PLIED																
TEXTURED - CELLULOSIC	310.1100	0		24	0	0	0	0	0	0	1	0		25	0	2
NON-CELLULOSIC	310.1015[d] & .1105[e]	208	124	213	413	304	205	342	345	143	459	200	180	3305	1378	2190
OTHER - CELLULOSIC	310.1030 & .1135[f]	16		0		0	0	0	1	0	1	3		21	97	25
NON-CELLULOSIC	310.1050 & .1070[g]	20	27	26	44	20	4	125	14	13	16	45	19	373	389	300
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	10	25	24	52	37	24	93	130	58	75	67	64	659	508	585
OTHER	310.4015 & .4027[i]	1762	1454	1794	1740	2164	1312	1542	1414	1258	1982	1315	962	18699	19387	20300
OTHER YARNS - NES INCL. CHENILLE	310.6020 - .8000	452	109	261	415	409	433	361	456	374	345	324	178	4117	2320	3748
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	247	230	188	190	262	292	226	208	195	316	272	171	2797	2260	2561
SLIVER, TOPS & ROVING	309.9000	388	473	322	262	173	245	370	505	115	306	127	186	3022	2708	6453
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1156	441	1047	551	643	1485	1575	3434	2410	2127	2201	1142	18212	7350	10353
GRAND TOTAL ABOVE		**13821**	**16526**	**16231**	**16702**	**19219**	**15739**	**20098**	**22104**	**17501**	**20729**	**18292**	**12048**	**209010**	**132072**	**157575**

SOURCE: U.S. Census Bureau

NES - Not elsewhere specified

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4040, .4047, .4050, .5015, .5040, .5047, .5049 & 5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1980					1981				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
RAYON+ACETATE											
FILAMENT YARN[a]											
TEXTURED	3100000	321	234	1509	521	2585	93	75	72	117	357
OTHER[b]	3100020	6431	6030	5118	6551	24130	8191	5829	4286	5608	23914
MONOFILAMENTS	3090110	89	32	9	19	149	47	30	9	4	90
STRIPS	3092210	41	1	23	1	66	66	79	95	100	340
SUBTOTAL ABOVE		**6882**	**6297**	**6659**	**7092**	**26930**	**8397**	**6013**	**4462**	**5835**	**24707**
STAPLE+TOW - RAYON	3093222	16581	17378	18763	12095	64817	12222	14234	14369	14331	55156
STAPLE - ACETATE	3093219	2549	1940	954	812	6255	3692	2046	608	658	7004
SUBTOTAL ABOVE		**19130**	**19318**	**19717**	**12907**	**71072**	**15914**	**16280**	**14977**	**14989**	**62160**
WASTE ADVANCED & NOT ADVANCED	3097400	1842	1773	1726	749	6090	693	705	410	895	2709
NON-CELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	3100008 & 0009	10848	10303	15608	17014	53773	21787	17478	17656	12679	69600
HIGH TENACITY[c]	3100027	13761	14502	13848	15693	57804	18138	17544	11095	10623	57400
OTHER	3100029	5848	6514	6218	6387	24967	5461	4325	6280	3358	19424
POLYESTER - TEXTURED	3100010	22596	29472	30889	31953	114910	48758	58081	65307	64006	236152
HIGH TENACITY[c]	3100032	7995	6763	3883	4561	23202	4870	5364	6299	6907	23440
OTHER[d]	3100034	1103	1886	2329	2175	7493	2380	3063	3117	3199	11759
OTHER - TEXTURED	3100014	4086	5077	5599	4243	19005	4174	3082	2346	2149	11751
OLEFIN	3100040	389	796	683	652	2520	741	519	838	505	2603
OTHER	3100044	1360	1574	1266	1065	5265	1560	1452	1188	1030	5231
MONOFILAMENTS ALL DENIERS											
NYLON	3090120	4364	5002	3647	2294	15307	2387	1935	1870	1585	7780
POLYESTER[e]	3090140	3500	6050	5678	3757	18985	2816	1767	1362	1218	7163
OTHER	3090170	1762	3233	2114	1556	8665	1289	1314	1614	2343	6560
STRIPS	3092220 & 2270	715	1328	598	786	3427	1366	1530	739	920	4555
SUBTOTAL ABOVE		**78327**	**92500**	**92360**	**92136**	**355323**	**115733**	**118054**	**119715**	**109922**	**463424**
STAPLE - NYLON	3093240	8263	5805	7693	7545	29306	9443	7030	5848	5235	27556
POLYESTER	3093242	84380	117941	117965	127004	447290	108893	138242	144558	130988	522681
ACRYLIC	3093245	39136	30799	34986	40251	145172	41711	40157	39084	35720	156661
OLEFIN	3093246	866	861	523	1025	3275	664	431	270	393	1758
OTHER	3093247	4643	5582	3278	4248	17751	5015	5800	3637	3581	18033
GROUPED FILAMENTS											
NYLON	3095220	1726	2714	1005	1837	7282	1724	763	746	1328	4561
POLYESTER[d]	3095240	16041	19690	10025	9124	54880	9508	6706	3802	6761	26777
ACRYLIC	3095250 & 5255	8704	7531	6487	4795	27517	10076	8360	7144	7075	32655
SUBTOTAL ABOVE		**163759**	**190923**	**181962**	**195829**	**732473**	**187034**	**207469**	**205089**	**191090**	**790682**
WASTE ADVANCED & NOT ADVANCED											
NYLON	3097620	3620	4563	4018	2319	14520	3470	4141	3302	3025	13938
POLYESTER	3097630	22134	17087	10260	11672	61153	11606	13086	12419	17006	54117
ACRYLIC	3097640	511	511	469	861	2352	1874	1531	573	817	4795
OTHER	3097600	11862	11496	7522	7515	38395	8718	9163	8717	7817	34415
TOTAL MAN-MADE FIBER ABOVE		**308067**	**344468**	**324693**	**331080**	**1308308**	**353439**	**376532**	**369670**	**351396**	**1451037**
TEXTILE GLASS FIBER	3092700 & 3700	15164	15511	11719	12013	54407	10180	8611	8553	11590	38934
GRAND TOTAL ABOVE		**323231**	**359979**	**336412**	**343093**	**1362715**	**363619**	**385143**	**378223**	**362986**	**1489971**

SOURCE: U.S. Census Bureau Report.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of non cellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
	1981 REVISED												YEAR TO DATE[a]	
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**20.9**	**21.6**	**21.5**	**27.1**	**26.4**	**25.2**	**24.6**	**19.9**	**20.8**	**19.5**	**17.6**	**16.0**	**261.1**	**301.9**
NYLON[e] INDUSTRIAL[f]	34.5	34.4	37.2	35.9	32.3	34.3	30.6	35.7	35.0	31.8	33.4	27.8	402.9	440.6
LOW DENIER INDUSTRIAL[g]	3.0	3.0	3.8	2.8	2.3	3.3	2.5	2.9	3.5	2.7	2.7	2.6	35.1	35.8
CARPET	67.1	65.8	65.3	73.4	65.3	61.3	56.8	52.9	48.1	40.7	39.4	42.9	677.0	756.9
TEXTILE	33.7	36.6	38.4	37.3	36.1	37.3	31.7	34.8	35.8	33.0	32.5	30.8	418.0	447.6
POLYESTER INDUSTRIAL[f]	25.0	23.8	26.8	28.5	24.2	25.0	26.4	26.8	25.7	26.6	25.7	22.6	307.1	294.3
LOW DENIER INDUSTRIAL[g]	2.1	2.1	2.5	2.9	2.7	2.5	2.5	1.9	2.3	2.4	2.2	1.5	27.6	29.4
TEXTILE	94.8	96.0	111.3	123.6	106.4	108.6	102.1	107.3	103.9	98.4	91.6	85.3	1229.3	1172.8
OLEFIN[h]	56.0	55.8	57.4	55.5	56.8	52.0	53.5	54.2	51.9	51.1	52.0	51.9	648.1	632.4
TOTAL NON-CELLULOSIC ABOVE[i]	**316.2**	**315.5**	**342.7**	**359.9**	**326.1**	**324.3**	**306.1**	**316.5**	**306.2**	**286.7**	**279.5**	**265.4**	**3745.1**	**3815.8**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**40.9**	**35.4**	**37.9**	**41.4**	**40.8**	**37.5**	**39.4**	**36.8**	**38.7**	**38.7**	**36.6**	**32.6**	**456.7**	**451.7**
NYLON[e]	70.7	67.5	73.9	80.0	74.8	69.2	62.2	52.8	44.9	41.8	40.9	42.8	721.5	745.1
ACRYLIC+MODACRYLIC	59.3	62.2	65.8	65.3	61.9	60.1	51.9	59.8	54.3	53.3	49.8	52.8	696.5	771.1
POLYESTER	208.6	211.1	202.5	243.6	218.6	211.9	212.8	232.9	223.4	214.4	206.2	212.8	2598.8	2539.4
OLEFIN+VINYON	10.8	10.3	11.2	11.7	12.4	11.7	10.7	11.3	10.6	12.9	10.0	9.9	133.5	118.7
TOTAL NON-CELLULOSIC ABOVE	**349.4**	**351.1**	**351.4**	**400.6**	**367.7**	**352.9**	**337.6**	**356.8**	**333.2**	**322.4**	**306.9**	**318.3**	**4148.3**	**4172.3**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**17.0**	**15.4**	**15.8**	**13.5**	**11.6**	**12.1**	**11.4**	**13.7**	**12.6**	**12.4**	**12.4**	**14.3**	**14.3**	**18.4**
NYLON[e] INDUSTRIAL[f]	37.5	37.0	35.7	36.7	42.5	41.2	43.8	38.3	37.2	38.7	35.4	30.4	30.4	29.4
LOW DENIER INDUSTRIAL[g]	3.9	3.2	3.1	3.5	3.4	3.2	3.6	3.8	3.6	3.9	4.4	4.5	4.5	5.5
CARPET	37.7	38.2	38.3	33.4	36.4	39.5	47.9	64.7	72.4	80.4	71.9	64.3	64.3	37.3
TEXTILE	42.8	43.1	41.8	41.7	43.6	41.4	45.1	44.5	45.7	47.3	47.5	47.8	47.8	40.1
POLYESTER INDUSTRIAL[f]	23.7	23.1	21.3	20.9	23.7	24.7	23.3	22.7	22.0	20.2	22.8	23.3	23.3	21.4
LOW DENIER INDUSTRIAL[g]	3.6	3.4	3.5	3.6	3.3	3.6	3.6	3.5	2.7	3.4	2.8	3.0	3.0	3.2
TEXTILE	100.2	104.1	87.3	67.5	72.5	76.0	89.4	84.1	84.0	95.4	102.6	102.0	102.0	92.4
OLEFIN[h]	63.9	62.3	61.6	60.4	58.5	62.3	61.8	62.2	66.2	64.8	65.4	61.7	61.7	60.0
TOTAL NON-CELLULOSIC ABOVE[i]	**313.3**	**315.3**	**292.6**	**267.7**	**283.7**	**291.9**	**319.3**	**323.8**	**334.4**	**354.1**	**352.8**	**337.0**	**337.0**	**289.3**
STAPLE+TOW+FIBERFILL														
RAYON	**24.2**	**25.1**	**29.3**	**28.1**	**25.4**	**23.7**	**23.2**	**25.7**	**27.3**	**25.9**	**29.2**	**31.1**	**31.1**	**27.2**
NYLON[e]	33.3	37.4	37.3	33.4	40.1	48.5	61.0	71.8	72.4	73.4	75.7	64.8	64.8	84.5
ACRYLIC+MODACRYLIC	76.5	76.3	74.3	68.5	67.1	63.8	67.8	64.2	66.6	66.7	66.3	65.1	65.1	58.8
POLYESTER	174.2	182.3	190.3	178.5	181.7	185.1	195.4	177.4	177.6	180.1	183.0	174.2	174.2	160.5
OLEFIN+VINYON	16.6	16.9	16.2	15.3	15.2	15.5	16.7	17.9	20.0	21.0	23.8	25.7	25.7	17.2
TOTAL NON-CELLULOSIC ABOVE	**300.6**	**312.9**	**318.1**	**295.7**	**304.1**	**312.9**	**340.9**	**331.3**	**336.6**	**341.2**	**348.8**	**329.8**	**329.8**	**287.0**

WOOL & COTTON CONSUMPTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1981	1980
APPAREL CLASS WOOL	11.0	12.1	14.6	13.2	11.5	15.0	9.3	12.3	11.7	11.4	10.5	11.5	142.1	127.8
CARPET CLASS WOOL	0.8	0.8	0.9	0.8	0.8	0.8	0.7	1.1	1.1	1.2	0.7	0.9	10.6	10.0
TOTAL RAW WOOL	11.8	12.9	15.5	14.0	12.3	15.8	10.0	13.4	12.8	12.6	11.2	12.4	152.7	137.8
RAW COTTON	217.4	245.4	247.1	238.1	220.8	244.4	195.1	235.7	237.7	240.7	201.3	175.3	2700.0	3044.0

a. Year to date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of this issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of this issue.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982 JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE[a] 1982	1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**19.1**						**19.1**	**20.9**
NYLON[e] INDUSTRIAL[f]	26.2						26.2	34.5
LOW DENIER INDUSTRIAL[g]	2.6						2.6	3.0
CARPET	40.5						40.5	67.1
TEXTILE	27.9						27.9	33.7
POLYESTER INDUSTRIAL[f]	22.6						22.6	25.0
LOW DENIER INDUSTRIAL[g]	1.9						1.9	2.1
TEXTILE	75.4						75.4	94.8
OLEFIN[h]	52.0						52.0	56.0
TOTAL NON-CELLULOSIC ABOVE[i]	**248.9**						**248.9**	**316.2**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**30.3**						**30.3**	**40.9**
NYLON[e]	48.0						48.0	70.7
ACRYLIC+MODACRYLIC	45.8						45.8	59.3
POLYESTER	173.3						173.3	208.6
OLEFIN+VINYON	7.8						7.8	10.8
TOTAL NON-CELLULOSIC ABOVE	**274.9**						**274.9**	**349.4**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**12.4**						**12.4**	**17.0**
NYLON[e] INDUSTRIAL[f]	41.7						41.7	37.5
LOW DENIER INDUSTRIAL[g]	4.5						4.5	3.9
CARPET	62.3						62.3	37.7
TEXTILE	50.9						50.9	42.8
POLYESTER INDUSTRIAL[f]	23.7						23.7	23.7
LOW DENIER INDUSTRIAL[g]	4.0						4.0	3.6
TEXTILE	93.4						93.4	100.2
OLEFIN[h]	64.3						64.3	63.9
TOTAL NON-CELLULOSIC ABOVE[i]	**344.8**						**344.8**	**313.3**
STAPLE+TOW+FIBERFILL								
RAYON	**32.6**						**32.6**	**24.2**
NYLON[e]	63.9						63.9	33.3
ACRYLIC+MODACRYLIC	68.6						68.6	76.5
POLYESTER	180.4						180.4	174.2
OLEFIN+VINYON	30.0						30.0	16.6
TOTAL NON-CELLULOSIC ABOVE	**342.9**						**342.9**	**300.6**

WOOL & COTTON CONSUMPTION

ITEM	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
APPAREL CLASS WOOL								
CARPET CLASS WOOL								
TOTAL RAW WOOL								
RAW COTTON	189.1						189.1	217.4

---

a. Year to date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 herewith.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 herewith for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 herewith.

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Textile Organon

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MONTHLY REVIEW

Highlights

U.S. mill consumption of the principal textile fibers in 1981 totaled 11,580 million pounds, 382 million pounds, or 5%, below the 1980 level of 11,962 million pounds. Man-made fiber at 8,723 million pounds was down ½%, cotton, at its lowest level since 1934, fell 12% to 2,703 million pounds and wool increased 11% to 153 million pounds.

Due to increased imports of semimanufactured and manufactured products, domestic consumption increased 1½% to 12,255 million pounds.

FEBRUARY SHIPMENTS INCREASED 5%

Shipments of non-cellulosic fibers (except saran and spandex) totaled 550.2 million pounds, a 5% increase over the depressed January level of 523.8 million pounds. The upturn in February deliveries broke a 5-month period of declining monthly shipment figures beginning in August of last year. Between April 1981, when a record 760.5 million pounds of non-cellulosic fibers (except saran and spandex) were delivered, and January 1982, shipments fell by 31%.

A similar pattern of non-cellulosic fiber shipments (except saran or spandex) was shown during the 1974-1975 recession. Then, shipments peaked in May 1974 at 566.5 million pounds and, by December of that year (the nadir of the cycle), had fallen by 53% to 267.6 million pounds. However, the upturn in 1975 appeared to occur much faster than is now the case, with January 1975 shipments 22% above December's low. By December 1975, shipments were 127% above the previous year's low. In fact, by August 1975 non-cellulosic shipments (except saran and spandex) had exceeded the pre-recession high of May 1974.

February 1982 deliveries of non-cellulosic yarn+monofilaments (except saran and spandex) totaled 268.2 million pounds, 7½% above the 248.9 million pounds shipped in January. For non-cellulosic staple+tow, February shipments of 282.0 million pounds exceeded January deliveries by 2½%.

JANUARY AND FEBRUARY SHIPMENTS COMPARED

Following is a comparison of total February shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with January (million pounds), and the percentage change, respectively: nylon industrial 29.2 & 26.2 & +11%; low denier industrial 2.3 & 2.6 & -12%; carpet 43.3 & 40.3 & +7½%; textile 27.0 & 27.9 & -3%; polyester industrial 24.4 & 22.6 & +8%; low denier industrial 1.8 & 1.9 & -5½%; textile 87.8 & 75.4 & +16%; olefin 52.4 & 52.0 & +1% and the total of these fibers 268.2 & 248.9 & +7½%.

Similarly, for non-cellulosic staple+tow, the corresponding data are: nylon 48.3 & 48.0 & +½%; acrylic+modacrylic 47.7 & 45.8 & +4%; polyester 176.4 & 173.3 & +2%; olefin+vinyon 9.6 & 7.8 & +23% and the total 282.0 & 274.9 & +2½%.

YEAR-TO-DATE SHIPMENTS 19% BELOW LAST YEAR

For the first two months of 1982, non-cellulosic fiber (except saran and spandex) deliveries totaled 1,074.0 million pounds, 19% less than the 1,332.2 million pounds shipped during the January-February 1981 period. Year-to-date shipments of non-cellulosic yarn+monofilaments totaled 517.1 million pounds as of the end of February, 18% less than were delivered during the corresponding 1981 period. January-February 1982 shipments of non-cellulosic staple+tow totaled 556.9 million pounds, 20% less than the 700.5 million pounds shipped during the first two months of 1981.

CELLULOSIC SHIPMENTS FELL 7% IN FEBRUARY

February deliveries of acetate filament yarn and rayon staple+tow totaled 45.8 million pounds, 7½% less than the 49.4 million pounds shipped during January last. Deliveries for the first two months of 1982, at 95.2 million pounds, were 20% below the 118.8 million pounds shipped during the corresponding 1981 period.

Acetate yarn shipments during February totaled 16.9 million pounds, 12% less than the 19.1 million pounds delivered in January. Year-to-date shipments of 36.0 million pounds were 15% less than the 42.5 million pounds delivered during the first two months of 1981.

Deliveries of rayon staple+tow in February were 28.9 million pounds, 4½% below the 30.3 million pounds shipped in January. February shipments were the first month rayon staple+tow shipments had fallen below the 30 million pound level since June 1975. January-February 1982 shipments of 59.2 million pounds were 22% less than the 76.3 million pounds shipped during the corresponding 1981 period.

PRODUCER STOCKS OF MAN-MADE FIBERS DECLINED ½% IN FEBRUARY

As of February 28th, 1982, man-made fiber producers had on hand 729.8 million pounds of man made fibers, ½% less than the 732.7 million pounds on hand as of January 31st, 1982. Coupled with the increased February shipments, the stock on hand represented 27 days' supply (based on a 22-day shipping month) versus a 28 day supply as of the end of January.

For filament yarn, the ratio of the end-of month stock to shipments (based on a 22-day shipping month) for February was as follows: acetate 15 days, nylon industrial 28 days, low denier industrial 43 days, carpet 29 days, textile 43 days, polyester industrial 23 days, low denier industrial 42 days, textile 23 days and olefin 27 days.

Similarly, for staple+tow, the stock on hand is 27 days for rayon, 27 days for nylon, 30 days for acrylic+modacrylic, 24 days for polyester and 72 days for olefin+vinyon.

TEXTILE FIBER CONSUMPTION

Annual data on three principal aspects of U.S. fiber consumption (mill, domestic and per capita) from 1970 through 1981 are presented herewith. Earlier data on these series back to 1920 were given on pages 26-27 of the January 1962 ***Organon*** issue and subsequent revisions for the years 1955-1964 were shown on page 22 of the March 1971 issue. Those for the years 1965-1969 were shown on page 28 of the March 1980 issue.

U.S. mill consumption fell by 3% in 1981 to 11,580.2 million pounds. Of this total, man-made fibers accounted for 8,722.5 million pounds, or 75.3%; cotton 2,703.0 million pounds, or 23.4% and wool 152.7 million pounds, or 1.3%. U.S. mill consumption of cotton in 1981 was the lowest annual total in almost fifty years, just above the 2,659.5 million pounds consumed in 1934.

However, domestic consumption rose by 1½% to

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Textile Organon

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12,255.5 million pounds as a result of increased imports and lower exports. In 1981 imports represented 14% of domestic consumption as opposed to 12% in 1980. In 1981, imports represented 7½% of man-made fiber domestic consumption, 29% of cotton domestic consumption and 40% of wool domestic consumption.

MILL CONSUMPTION - METHOD

The data of columns 1, 4, 12 and 15 of the page 44 table show U.S. fiber producers' domestic shipments of the specified man-made fibers. To each of these categories were added the corresponding man-made fiber imports of raw materials such as yarn, staple and tow, the import classes being detailed in the table footnote. The sum of the domestic shipments plus raw fiber imports gives the domestic mill consumption of these fibers shown in columns 3, 6, 14 and 17.

The yarn+monofilaments imports shown in columns 2 and 13 on page 44 comprise yarn singles, monofilaments and strips. Plied yarns are considered a semimanufactured product and thus are **not** included here, but rather are counted as part of **domestic** consumption.

Producers' waste shipments are handled differently in that columns 7 and 18 represent the producers' **total** shipments of waste fiber, rather than **domestic** shipments. This is because the producer sends its waste fiber to a processor who reclaims the waste and either ships it to a domestic customer or exports it. Thus, at the time of the waste shipment, the producer does not know its ultimate destination. Therefore, the producers' total waste fiber shipments are added to the imports of waste fiber and from this total are subtracted exports of waste fiber, yielding mill consumption of waste fiber.

Imports of textile glass fiber are not shown separately in the page 44 table; rather, column 23 represents mill consumption of textile glass fiber. For greater detail on domestic shipments and imports of textile glass fiber, see page 21 of the February 1982 ***Organon*** issue.

The sum of columns 11 (3+6+10), 22 (14+17+21) and 23 gives the total deliveries of man-made fiber to domestic mills, as shown in column 24. In this survey, these deliveries are considered as the equivalent of mill consumption, or the fibers put into process by mills. Any changes in mill holdings of unopened cases or bales are not taken into account.

The cotton data of column 25 agree with those presented in the monthly ***Organon*** table on Selected U.S. Monthly Textile Fiber Data on page 64 herewith and page 40 of the February issue. Cotton is regarded as consumed when the bale is opened at the spinning mill. The data are based on the Census Series M22P figures, adjusted to a calendar-month basis. Through 1970, the data are based on the relationship between the number of running bales and the equivalent 480-pound net weight bales. Beginning August 1972, the M22P reports show both bales and pounds.

The scoured basis wool data presented in column 26 consist of carpet class wool **plus** the following components of apparel class wool: the production of apparel wool tops combed or worsted combs; shorn and pulled wool of the sheep (domestic and foreign duty-paid) consumed in spinning other than carpet yarns on the woolen system; and other wool of the sheep (tops, noils, etc.) consumed for spinning into other than carpet and rug yarns on the woolen system. These data are the same as those presented in the Selected U.S. Monthly Textile Fiber Data table of each ***Organon*** issue.

Not included here, nor in the monthly ***Organon*** data, are imported wool tops and yarns; wool consumed in spinning on systems other than the woolen & worsted, e.g., the cotton spinning system; reprocessed & reused wool; and animal hair other than the fleece of the sheep or lamb, i.e., hair of the Angora goat (mohair), cashmere goat, camel, alpaca, llama, vicuna, etc.

The silk data of column 27 comprise imports for consumption of raw silk, as well as tussah, cocoons, noils and waste, i.e., re-exports are not taken into account.

U.S. MILL CONSUMPTION DECLINED 3% LAST YEAR

Mill consumption of man-made fibers, cotton and wool declined 3% in 1981, to 11,580.2 million pounds from the 11,962.3 million pounds U.S. mills consumed in 1980. The 1981 total comprised 8,722.5 million pounds of man-made fibers, 2,703.0 million pounds of cotton, 152.7 million pounds of wool and 2.0 million pounds of silk. Thus, man-made fibers accounted for 75.3% of total U.S. mill consumption, cotton 23.4% and wool 1.3%.

Compared with 1980, only wool and silk registered gains. Man-made fiber usage fell only ½%, cotton usage plunged 12%, but wool usage climbed 11% in 1981 as compared with 1980. U.S. mill consumption of cotton last year was the lowest since 1934 when U.S. mills processed some 2,660 million pounds of cotton.

MAN-MADE FIBER MILL CONSUMPTION FELL ½% IN 1981

Consumption of man-made fibers in 1981 by U.S. mills totaled 8,722.5 million pounds, ½% less than the 8,760.1 million pounds used during 1980. Thus, in 1981, man-made fibers represented 75.3% of total mill usage of fibers, up a full two percentage points from 73.2% the previous year. The 1981 total was made up of 714.3 million pounds of cellulosic fibers, 7,026.2 million pounds of non-cellulosic fibers and a record 982.0 million pounds of textile glass fiber.

U.S. mill consumption of cellulosic fibers fell by 3½% in 1981, to 714.3 million pounds, from the 740.7 million

(Continued on page 50)

U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS

MILLION POUNDS & *Percent*

YEAR	MAN-MADE FIBER MILL CONSUMPTION = PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																						TEXTILE GLASS FIBER TOTAL
	RAYON+ACETATE											NON-CELLULOSIC FIBER											
	YARN+MONOFILAMENTS			STAPLE+TOW			WASTE					YARN+MONOFILAMENTS			STAPLE+TOW			WASTE					
	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1970	695.9	3.7	699.6	634.2	80.6	714.8	34.5	0.1	22.9	11.7	1,426.1	1,682.6	120.8	1,803.4	1,682.1	57.7	1,739.8	136.3	21.7	31.3	126.7	3,669.9	404.9
1971	729.3	5.2	734.5	669.8	81.3	751.1	36.3		15.9	20.4	1,506.0	2,100.1	234.4	2,334.5	1,964.1	93.3	2,057.4	157.8	36.2	29.4	164.6	4,556.5	466.7
1972	632.8	10.8	643.6	718.4	51.3	769.7	38.5		23.6	14.9	1,428.2	2,689.8	224.5	2,914.3	2,363.1	103.7	2,466.8	202.7	48.0	63.5	187.2	5,568.5	569.2
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8		37.5	-0.7	1,389.2	3,273.7	140.1	3,413.8	2,848.4	112.8	2,961.2	274.8	47.8	98.6	224.0	6,599.0	676.0
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1,107.6	3,142.3	92.1	3,234.4	2,450.5	73.2	2,523.7	246.4	46.3	91.2	201.5	5,959.6	630.8
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3,214.8	53.8	3,268.6	2,553.5	55.2	2,608.7	228.7	25.0	50.0	203.7	6,081.0	533.5
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3,147.2	64.0	3,211.2	3,018.5	67.3	3,085.8	262.3	30.5	70.2	222.6	6,519.6	677.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3,461.4	92.5	3,553.9	3,373.1	52.9	3,426.0	291.0	23.2	66.1	248.1	7,228.0	791.3
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3,641.9	52.2	3,694.1	3,505.5	60.5	3,566.0	263.9	26.0	88.7	201.2	7,461.3	886.7
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3,797.6	20.0	3,817.6	3,713.5	39.3	3,752.8	238.6	21.1	137.7	122.0	7,692.4	922.6
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3,532.0	19.6	3,551.6	3,482.5	35.6	3,518.1	170.2	21.5	116.4	75.3	7,145.0	874.4
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3,483.1	18.9	3,502.0	3,327.9	60.5	3,388.4	193.2	49.9	107.3	135.8	7,026.2	982.0

YEAR	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS) = MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MAN-MADE FIBER[a]		COTTON		WOOL		SILK		TOTAL		MAN-MADE FIBER			COTTON			WOOL			TOTAL		
	LB	%	LB	%	LB	%	LB	%	LP	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(24)		(25)		(26)		(27)		(28)		(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1970	5,500.9	57.6	3,773.6	39.5	273.3	2.9	1.8	--	9,549.6	100	329.3	147.1	5,683.1	463.1	199.2	4,037.5	85.9	4.9	354.3	878.3	351.2	10,074.9
1971	6,529.2	60.9	3,965.1	37.0	219.3	2.1	1.7	--	10,715.3	100	451.1	146.7	6,833.6	492.6	226.4	4,231.3	66.2	9.4	276.1	1,009.9	382.5	11,341.0
1972	7,565.7	64.9	3,849.8	33.0	246.9	2.1	2.1	--	11,664.5	100	480.5	177.6	7,868.6	610.7	290.4	4,170.1	63.0	30.6	279.3	1,154.2	498.6	12,318.0
1973	8,664.2	69.3	3,643.3	29.2	182.1	1.5	3.3	--	12,492.9	100	465.3	298.2	8,841.3	563.5	325.2	3,881.6	61.3	30.8	212.6	1,090.1	644.2	12,935.5
1974	7,698.0	69.2	3,306.1	29.7	116.5	1.1	2.6	--	11,123.2	100	371.3	390.7	7,678.6	502.7	392.5	3,416.3	53.3	23.0	146.8	927.3	806.2	11,241.7
1975	7,416.5	69.9	3,068.7	28.9	132.0	1.2	1.0	--	10,618.2	100	400.4	322.4	7,494.5	501.3	353.7	3,216.3	48.6	19.2	161.4	950.3	695.3	10,872.2
1976	8,052.5	69.5	3,389.0	29.2	145.9	1.3	2.8	--	11,590.2	100	479.5	352.2	8,179.8	708.6	413.2	3,684.4	66.7	13.9	198.7	1,254.8	779.3	12,062.9
1977	8,887.5	72.9	3,169.8	26.0	133.9	1.1	1.6	--	12,192.8	100	530.7	367.6	9,050.6	669.4	369.5	3,469.7	85.9	11.5	208.3	1,286.0	748.6	12,728.6
1978	9,227.7	74.4	3,040.4	24.5	141.6	1.1	2.0	--	12,411.7	100	642.5	441.7	9,428.6	845.4	355.7	3,530.1	92.2	11.6	222.2	1,580.2	809.0	13,180.9
1979	9,446.0	74.7	3,066.4	24.2	134.4	1.1	1.5	--	12,648.3	100	525.0	596.6	9,374.4	746.1	478.0	3,334.5	80.6	14.0	201.0	1,351.7	1,088.6	12,909.9
1980	8,760.1	73.2	3,064.4	25.6	137.8	1.2	-	--	11,962.3	100	540.6	771.5	8,529.2	810.9	523.1	3,352.2	85.1	23.8	199.1	1,436.6	1,318.4	12,080.5
1981	8,722.5	75.3	2,703.0	23.4	152.7	1.3	2.0	--	11,580.2	100	639.1	637.7	8,723.9	961.9	367.3	3,297.6	93.1	11.8	234.0	1,694.1	1,016.8	12,255.5

a. The man-made fiber data include textile glass fiber as shown in Column 23 in the upper section. For detail on producers' shipments and imports of textile glass fiber, see page 21 of the February 1982 issue.

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( )

All Census import and export commodity numbers are as of January 1978.

1, 4, 7, 12, 15, 18 & 23 - February 1982 ORGANON, page 21.

2 - Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230, .0510 & .0610.

5 - Import Classes 309.3010, .3110, .4320 & .4325.

8 - Import Classes 309.6615 & .7510.

9 - Export Class 309.7400.

13 - Import Classes 309.0200, .0330-.0365, .0500, .0630-.0665, .2100, .2500, 310.0109-.0114, .0149-.0170, .0209-.0214, .0249-.0270, .0530, .0550, .0630 & .0650.

16 - Import Classes 309.3030-.3065, .3130-.3165 & .4338-.4355.

19 - Import Classes 309.6000, .6625-.7000 & .7525-.7555.

20 - Export Classes 309.7620, .7630, .7640 & .7660.

25 - ***U.S. Census Bureau Report M22P.*** See text page 43.

26 - ***U.S. Census Bureau Report M22D.*** See text page 43.

27 - Import Classes 308.0200-.2000.

29, 30, 32, 33, 35 & 36 - ***Cotton and Wool Situation*** (U.S. Department of Agriculture).

CERTAIN TOTALS IN THE TABLES

(Obvious totals such as Columns 1+2=3, 4+5=6, etc., are not described here.)

10 - Columns 7+8-9
21 - Columns 18+19-20
24 - Columns 11+22+23
31 - Columns 24+29-30
34 - Columns 25+32-33
37 - Columns 26+35-36

RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
COMMODITY	1970-1974	1975-1979	1977	1978	1979	1980	1981	1970-1974	1975-1979	1977	1978	1979	1980	1981	1970-1974	1975-1979	1977	1978	1979	1980	1981
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	25.4	34.1	39.7	59.7	37.5	30.2	34.9	27.1	18.9	13.5	30.8	12.4	19.4	24.1	8.2	5.4	6.6	6.1	4.2	4.2	5.0
CLOTH[b]	102.5	87.7	87.9	109.6	81.6	81.4	106.2	281.1	266.6	244.6	299.9	236.7	258.4	350.3	13.2	17.4	18.7	25.8	21.7	21.1	27.8
SUBTOTAL	**127.9**	**121.8**	**127.6**	**169.3**	**119.1**	**111.6**	**141.1**	**308.2**	**285.5**	**258.1**	**330.7**	**249.1**	**277.8**	**374.4**	**21.4**	**22.8**	**25.3**	**31.9**	**25.9**	**25.3**	**32.8**
MANUFACTURED PRODUCTS																					
WEARING APPAREL[c]	253.4	357.1	366.1	425.6	359.8	378.6	437.1	158.7	344.2	348.3	430.2	426.5	463.8	504.0	30.4	36.8	44.1	44.9	39.2	41.7	40.9
INDUSTRIAL[d]	7.6	0.7	2.7	0.1	0.1	0.1	0.3	8.3	5.7	5.6	6.7	5.6	10.1	8.8	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[e] }	30.6	36.0	34.3	47.6	46.0	50.3	60.6	36.9	40.7	39.4	57.7	44.4	45.4	59.5	11.7	14.1	15.3	14.5	14.4	17.3	18.5
ALL OTHER[f]								14.4	18.0	18.0	20.1	20.7	13.8	15.2	2.4	1.1	1.2	0.9	1.1	0.8	0.9
SUBTOTAL	**291.6**	**393.8**	**403.1**	**473.3**	**405.9**	**429.0**	**498.0**	**218.3**	**408.6**	**411.3**	**514.7**	**497.0**	**533.1**	**587.5**	**44.5**	**52.0**	**60.6**	**60.3**	**54.7**	**59.8**	**60.3**
TOTAL IMPORTS	**419.5**	**515.6**	**530.7**	**642.6**	**525.0**	**540.6**	**639.1**	**526.5**	**694.1**	**669.4**	**845.4**	**746.1**	**810.9**	**961.9**	**65.9**	**74.8**	**85.9**	**92.2**	**80.6**	**85.1**	**93.1**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	23.3	39.5	39.5	37.7	55.8	53.3	62.2	20.7	23.7	16.9	32.0	34.2	47.0	38.1	14.0	5.5	3.2	2.6	4.2	4.8	3.6
CLOTH[g]	113.0	186.0	153.2	187.5	257.6	298.5	256.4	170.0	224.9	204.0	187.8	267.1	212.3	127.7	0.7	1.2	0.9	1.2	1.5	1.6	1.9
SUBTOTAL	**136.3**	**225.5**	**192.7**	**225.2**	**313.4**	**351.8**	**318.6**	**190.7**	**248.6**	**220.9**	**219.8**	**301.3**	**259.3**	**165.8**	**14.7**	**6.7**	**4.1**	**3.8**	**5.7**	**6.4**	**5.5**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	21.5	43.1	40.3	48.6	60.5	127.1	120.7	32.9	63.0	65.3	61.8	90.9	180.8	123.0	1.8	3.6	2.4	5.5	5.9	14.9	4.0
INDUSTRIAL[d]	11.2	46.0	35.5	63.9	87.0	115.5	48.1	17.8	23.4	24.5	23.8	25.2	19.6	17.5	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[h]	24.3	52.5	56.6	43.8	65.6	111.4	84.2	23.5	36.9	37.3	32.2	42.2	43.0	38.7	1.7	1.9	2.7	0.8	0.3	0.4	0.3
ALL OTHER[i]	36.8	49.0	42.5	60.2	70.1	65.7	66.1	21.8	22.1	21.5	18.1	18.4	20.4	22.3	1.5	1.9	2.3	1.5	2.1	2.1	2.0
SUBTOTAL	**93.8**	**190.6**	**174.9**	**216.5**	**283.2**	**419.7**	**319.1**	**96.0**	**145.4**	**148.6**	**135.9**	**176.7**	**263.8**	**201.5**	**5.0**	**7.4**	**7.4**	**7.8**	**8.3**	**17.4**	**6.3**
TOTAL EXPORTS	**230.1**	**416.1**	**367.6**	**441.7**	**596.6**	**771.5**	**637.7**	**286.7**	**394.0**	**369.5**	**355.7**	**478.0**	**523.1**	**367.3**	**19.7**	**14.1**	**11.5**	**11.6**	**14.0**	**23.8**	**11.8**
NET EXPORTS (+) OR NET IMPORTS (-)	**-189.4**	**-99.5**	**-163.1**	**-200.9**	**+71.6**	**+230.9**	**-1.4**	**-239.8**	**-300.1**	**-299.9**	**-489.7**	**-268.1**	**-287.8**	**-594.6**	**-46.2**	**-60.7**	**-74.4**	**-80.6**	**-66.6**	**-61.3**	**-81.3**

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation.***

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 44 above.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption, see text page 50.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	1976			1977			1978			1979			1980			1981		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
MAN-MADE FIBER MANUTACTURES																		
SLIVER, TOPS & ROVING	2.8	12.3	9.5 **E**	4.8	12.1	7.3 **E**	7.6	10.2	2.6 **E**	6.7	13.2	6.5 **E**	2.8	13.1	10.3 **E**	3.7	11.0	7.3 **E**
SPUN YARNS[b]	13.9	22.0	8.1 **E**	31.5	23.8	7.7 **I**	49.6	21.8	27.8 **I**	28.3	34.2	5.9 **E**	25.1	32.8	7.7 **E**	28.3	45.7	17.4 **E**
THREAD & CRAFT YARNS	2.5	2.6	0.1 **E**	3.5	3.6	0.1 **E**	2.5	5.8	3.3 **E**	2.6	8.4	5.8 **E**	2.3	7.4	5.1 **E**	2.9	5.5	2.6 **E**
TIRE CORD & FABRIC	0.2	25.6	25.4 **E**	2.6	35.5	32.9 **E**	0.1	63.9	63.8 **E**	0.1	87.0	86.9 **E**	0.1	115.5	115.4 **E**	0.3	48.1	47.8 **E**
WOVEN FABRIC	64.2	139.4	75.2 **E**	67.7	131.4	63.7 **E**	87.8	165.7	77.9 **E**	64.6	228.7	164.1 **E**	67.3	249.8	182.5 **E**	95.4	208.5	113.1 **E**
KNIT FABRIC	13.1	16.9	3.8 **E**	12.6	11.3	1.3 **I**	12.4	9.8	2.6 **I**	8.0	16.4	8.4 **E**	6.0	23.2	17.2 **E**	2.1	21.7	19.6 **E**
NARROW FABRIC	6.9	9.3	2.4 **E**	7.6	10.5	2.9 **E**	9.4	12.0	2.6 **E**	8.9	12.5	3.6 **E**	8.1	25.5	17.4 **E**	8.7	26.2	17.5 **E**
APPAREL KNIT	209.8	34.4	310.0 **I**	218.7	40.3	325.8 **I**	242.4	48.6	377.0 **I**	184.5	60.5	299.3 **I**	187.7	127.1	251.5 **I**	184.7	120.7	316.4 **I**
NOT KNIT	134.6			147.4			183.2			175.3			190.9			252.4		
HOME FURNISHINGS	31.5	51.9	58.2 **E**	34.3	56.6	64.8 **E**	47.6	43.8	56.3 **E**	46.0	65.6	89.7 **E**	50.3	111.4	126.8 **E**	60.6	84.2	89.7 **E**
OTHER		37.8			42.5			60.1			70.1			65.7			66.1	
TOTAL MAN-MADE FIBER MANUFACTURES	**479.5**	**352.2**	**127.3 I**	**530.7**	**367.6**	**163.1 I**	**642.6**	**441.7**	**200.9 I**	**525.0**	**596.6**	**71.6 E**	**540.6**	**771.5**	**230.9 E**	**639.1**	**637.7**	**1.4 I**
COTTON MANUFACTURES																		
SPUN YARNS[c]	25.7	14.2	11.5 **I**	13.1	13.0	0.1 **I**	30.4	22.1	8.3 **I**	11.9	29.8	17.9 **E**	18.6	32.3	13.7 **E**	23.1	22.9	0.2 **I**
THREAD & CRAFT YARNS	0.5	4.3	3.8 **E**	0.4	3.9	3.5 **E**	0.4	9.9	9.5 **E**	0.5	4.4	3.9 **E**	0.8	14.7	13.9 **E**	1.0	15.2	14.2 **E**
WOVEN FABRIC[d]	325.2	248.4	76.8 **I**	244.6	204.0	40.6 **I**	299.9	187.8	112.1 **I**	236.7	267.1	30.4 **E**	258.4	212.3	46.1 **I**	350.3	127.7	222.6 **I**
APPAREL KNIT	293.2	11.1	238.9 **I**	348.3	14.0	283.0 **I**	430.2	21.3	368.4 **I**	426.3	33.3	335.4 **I**	463.8	65.2	283.0 **I**	504.0	60.4	381.0 **I**
NOT KNIT		43.2			51.3			40.5			57.6			115.6			62.6	
HOME FURNISHINGS	38.4	41.0	2.6 **E**	39.4	37.3	2.1 **I**	57.7	32.2	25.5 **I**	44.4	42.2	2.2 **I**	45.4	43.0	2.4 **I**	59.5	38.7	20.8 **I**
OTHER	25.6	51.0	25.4 **E**	23.6	46.0	22.4 **E**	26.8	41.9	15.1 **E**	26.3	43.6	17.3 **E**	23.9	40.0	16.1 **E**	24.0	39.8	15.8 **E**
TOTAL COTTON MANUFACTURES	**708.6**	**413.2**	**295.4 I**	**669.4**	**369.5**	**299.9 I**	**845.4**	**355.7**	**489.7 I**	**746.1**	**478.0**	**268.1 I**	**810.9**	**523.1**	**287.8 I**	**961.9**	**367.3**	**594.6 I**
WOOL MANUFACTURES																		
SLIVER, TOPS & ROVING	0.4	4.9	4.5 **E**	0.8	1.7	0.9 **E**	0.6	1.3	0.7 **E**	0.4	3.2	2.8 **E**	0.3	4.2	3.9 **E**	0.3	2.6	2.3 **E**
SPUN YARNS	5.4	0.8	4.6 **I**	5.8	1.5	4.3 **I**	5.5	1.3	4.2 **I**	3.8	1.0	2.8 **I**	3.9	0.6	3.3 **I**	4.7	1.0	3.7 **I**
WOVEN FABRIC	12.2	1.0	11.2 **I**	18.7	0.7	18.0 **I**	25.8	1.0	24.8 **I**	21.7	1.2	20.5 **I**	21.1	1.4	19.7 **I**	27.8	1.7	26.1 **I**
KNIT FABRIC					0.2	0.2 **E**		0.2	0.2 **E**		0.3	0.3 **E**		0.2	0.2 **E**		0.2	0.2 **E**
APPAREL KNIT	18.9	0.5	18.4 **I**	25.8	0.6	25.2 **I**	22.3	4.3	18.0 **I**	19.1	4.6	14.5 **I**	24.4	13.0	11.4 **I**	22.8	2.0	20.8 **I**
NOT KNIT	14.1	1.7	12.4 **I**	18.3	1.8	16.5 **I**	22.6	1.2	21.4 **I**	20.1	1.3	18.8 **I**	17.3	1.9	15.4 **I**	18.1	2.0	16.1 **I**
HOME FURNISHINGS	14.4	2.9	11.5 **I**	15.3	2.7	12.6 **I**	14.5	0.8	13.7 **I**	14.4	0.3	14.1 **I**	17.3	0.4	16.9 **I**	18.5	0.3	18.2 **I**
OTHER	1.3	2.1	0.8 **E**	1.2	2.3	1.1 **E**	0.9	1.5	0.6 **E**	1.1	2.1	1.0 **E**	0.8	2.1	1.3 **E**	0.9	2.0	1.1 **E**
TOTAL WOOL MANUFACTURES	**66.7**	**13.9**	**52.8 I**	**85.9**	**11.5**	**74.4 I**	**92.2**	**11.6**	**80.6 I**	**80.6**	**14.0**	**66.6 I**	**85.1**	**23.8**	**61.3 I**	**93.1**	**11.8**	**81.3 I**
TOTAL MANUFACTURES	**1,254.8**	**779.3**	**475.5 I**	**1,286.0**	**748.6**	**537.4 I**	**1,580.2**	**809.0**	**771.2 I**	**1,351.7**	**1,088.6**	**263.1 I**	**1,436.6**	**1,318.4**	**118.2 I**	**1,694.1**	**1,016.8**	**677.3 I**

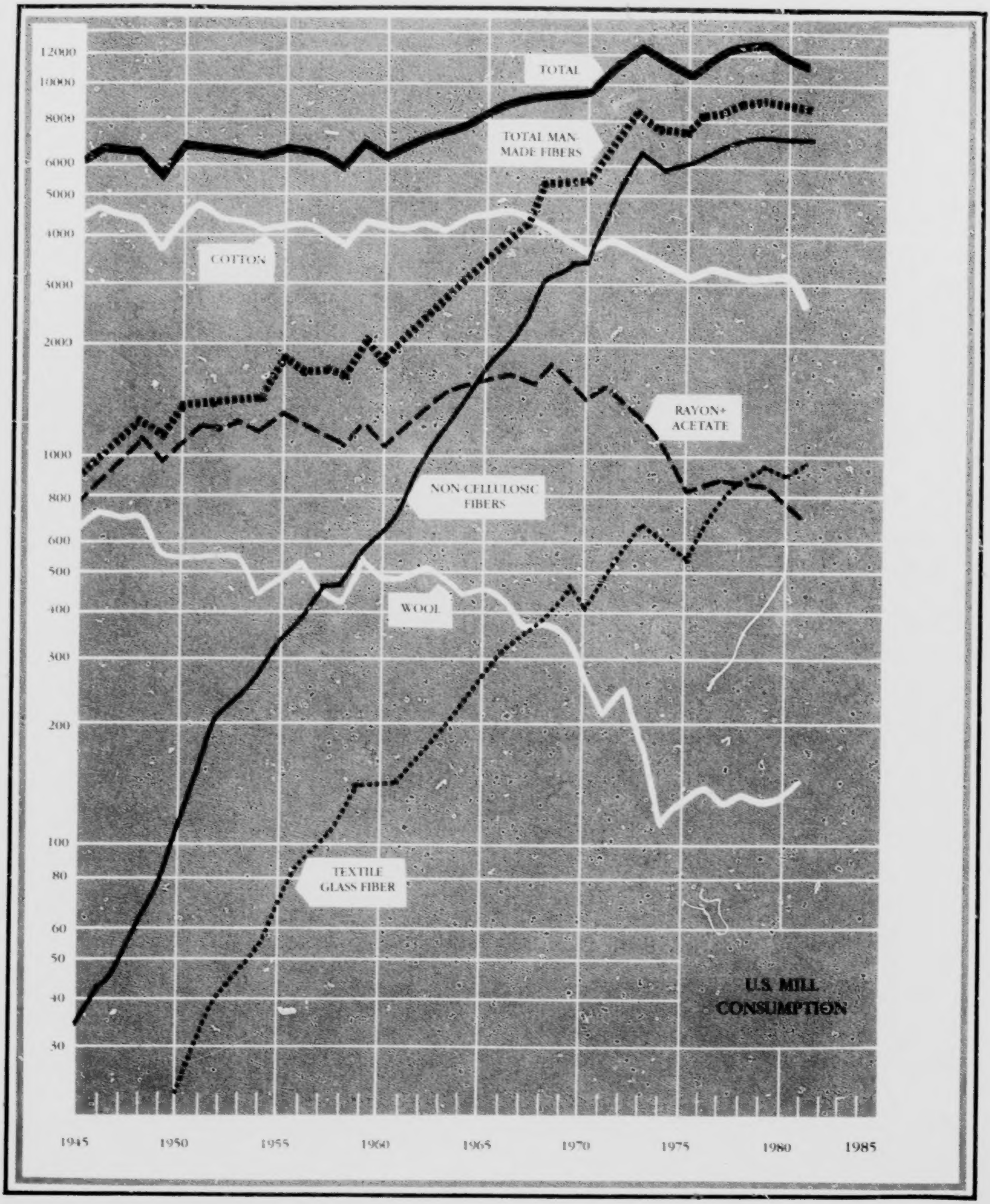
SOURCE: *Cotton and Wool Situation*, a publication of the U.S. Department of Agriculture.

a. **E** means a net export balance. **I** is a net import balance.

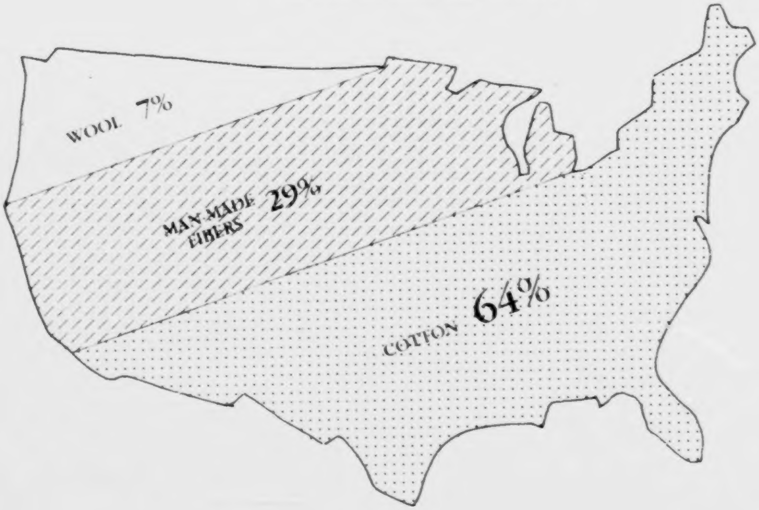
b. Includes thrown or plied yarn imports.

c. Includes twine & cordage exports.

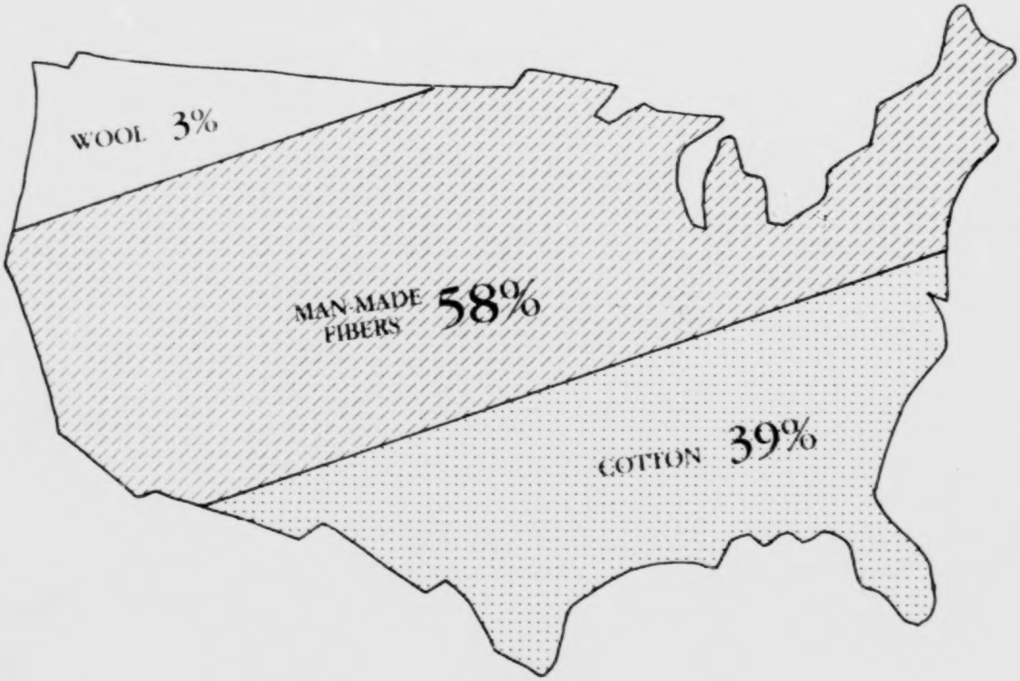
d. Includes tire cord exports.


TOTAL
TOTAL MAN-MADE FIBERS
COTTON
RAYON+ ACETATE
NON-CELLULOSIC FIBERS
WOOL
TEXTILE GLASS FIBER
U.S. MILL CONSUMPTION
12000
10000
8000
6000
5000
4000
3000
2000
1000
800
600
500
400
300
200
100
80
60
50
40
30
1945
1950
1955
1960
1965
1970
1975
1980
1985

U.S. MILL CONSUMPTION

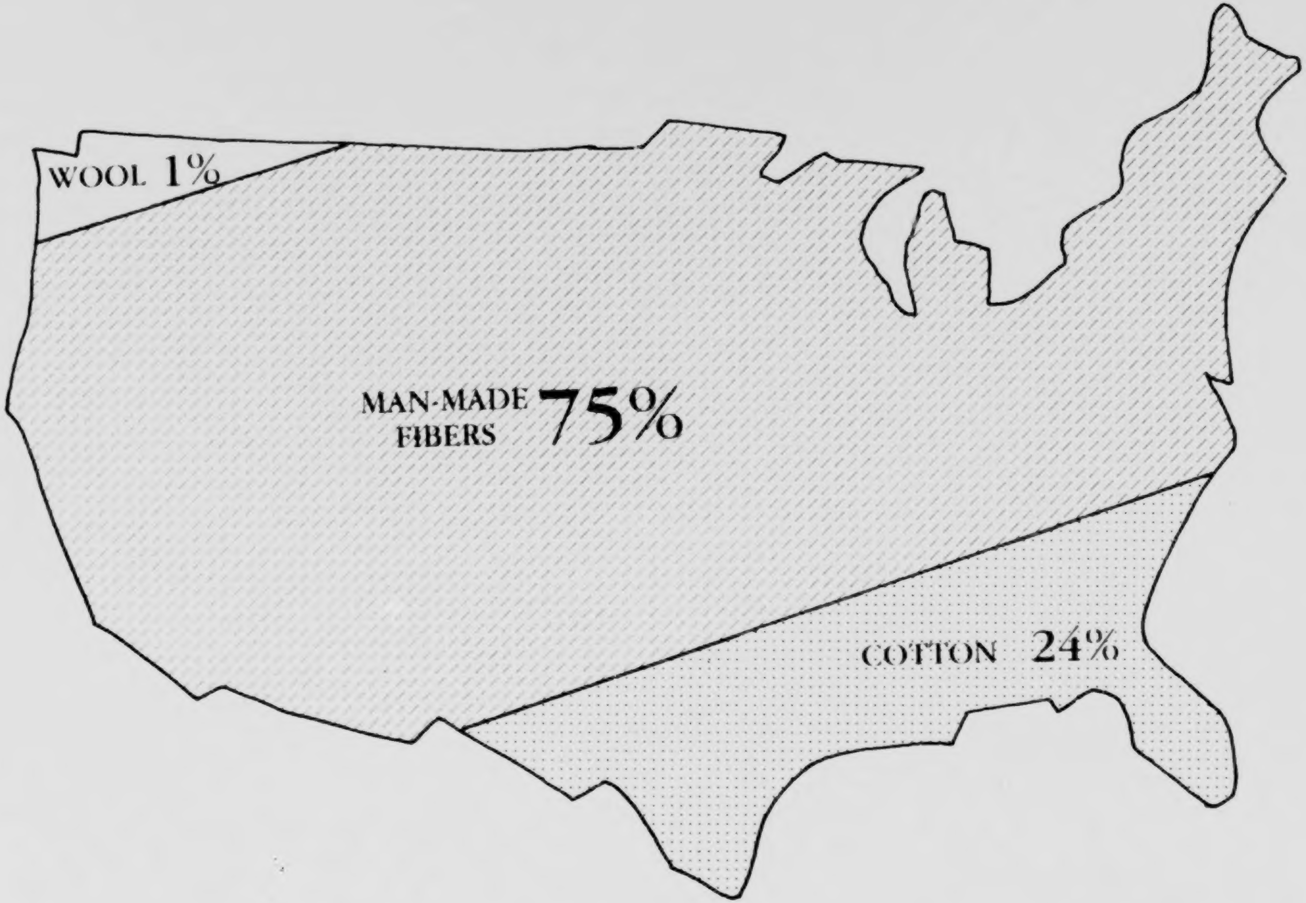


1960
6,558 million pounds



1970
9,550 million pounds

U.S. MILL CONSUMPTION



1981
11,580 million pounds

(Continued from page 43)

pounds used in 1980. Usage of cellulosic yarn fell by 13% in 1981, to 283.6 million pounds, while consumption of staple+tow rose 2½% to 417.7 million pounds. Cellulosic usage represented 6.2% of total U.S. mill consumption, the same as in 1980 and was at its lowest level since 1944 when some 705 million pounds were consumed.

In 1981, mill usage of non-cellulosic fibers totaled 7,026.2 million pounds, 1½% less than the 7,145.0 million pounds that U.S. mills consumed in 1980. This 1981 consumption figure represented 60.7% of total U.S. mill consumption, up from 59.7% the previous year. Mill consumption of non-cellulosic yarn+monofilaments, at 3,502.0 million pounds, was 1½% below the previous year and mill usage of non-cellulosic staple+tow fell by 3½% in 1981, to 3,388.4 million pounds.

Textile glass fiber consumption in 1981 totaled a record 982.0 million pounds, 12% above the 874.4 million pounds consumed in 1980. Thus, in 1981, textile glass fiber represented 8.5% of mill usage, up from 7.3% in 1980.

MILL CONSUMPTION BY FIBER

The text table following details U.S. mill consumption (in billion pounds) by generic fiber type for the twelve-year period 1970-1981. A comparison of 1981 with 1980 shows that only olefin, textile glass and wool increased their level of consumption while rayon and polyester usage remained unchanged. Mill consumption of acetate, nylon, acrylic and cotton all registered declines.

Polyester surpassed cotton as the most widely used textile fiber in 1977, after equaling cotton usage in 1975. In 1981, polyester was the most widely used fiber, followed by cotton and nylon. Together, these three fibers represent some 72% of mill usage of all fibers.

MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	ESTER[c]	ACRYLIC[d]	OLEFIN	GLASS	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.4	3.8	0.3	**9.5**
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.5	4.0	0.2	**10.7**
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.6	3.9	0.2	**11.7**
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.7	3.6	0.2	**12.5**
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.6	3.3	0.1	**11.1**
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.5	3.1	0.1	**10.6**
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.7	3.4	0.1	**11.6**
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.8	3.2	0.1	**12.2**
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.9	3.0	0.1	**12.4**
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.9	3.1	0.1	**12.7**
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.9	3.1	0.1	**12.0**
1981	0.5	0.2	2.2	3.5	0.5	0.8	1.0	2.7	0.2	**11.6**

a. Acetate includes triacetate. Cigarette tow is excluded.

b. Nylon includes aramid.

c. Ester means polyester.

d. Acrylic includes modacrylic.

DOMESTIC CONSUMPTION - METHOD

The domestic consumption of cotton, wool and the man-made fibers is calculated by adjusting mill consumption for the net imports or exports of semimanufactured goods (yarn, thread, cloth, etc.) and manufactured goods (wearing apparel, carpets, draperies, etc.).

The import-export trade data for such items as tire cord, plied yarns, spun yarns and such are already available in pounds. But with products such as shirts, sweaters, hosiery, certain piece goods, etc., the import-export data of which are reported in yards, dozens, etc., appropriate conversion factors must be applied to obtain the poundage equivalents.

The U.S. Department of Agriculture makes studies of these import and export conversion factors based on special surveys made in conjunction with the Census Bureau. These factors are then applied to Census import-export data to yield the poundage data shown in columns 29-30, 32-33, 35-36 and 38-39 in the Domestic Consumption section of the page 44 table.

For these import and export calculations, the U.S. Department of Agriculture has added certain waste factors to the derived poundages, so as to bring them to the same raw fiber basis used in the Mill Consumption section of the page 44 table.

Details of the raw fiber equivalent of the imports and exports of man-made fiber, cotton and wool semimanufactures and manufactures are presented in the table on page 45 as annual averages for the 5 years 1970-1974 and 1975-1979, as well as for the single years 1977 through 1981. The table on page 46 presents a more detailed breakdown of these data for the years 1976-1981.

Note that the domestic consumption of man-made fibers is overstated to the extent that exports of throwster-textured yarn are included. When a shipment of feed yarn is made to a throwster, it is recorded as a domestic shipment and included in mill consumption. However, textured yarn exports are considered fiber exports rather than semimanufactured exports by the U.S. Department of Agriculture. Census data do not distinguish between producer-textured yarn exports (not a domestic shipment and thus not included in mill consumption) and throwster-textured yarn exports. Thus domestic consumption is overstated by this difference (total textured yarn exports less producer-textured yarn exports).

DOMESTIC CONSUMPTION INCREASED 1½% IN 1981

Due to record imports of semimanufactured and manufactured products, and a decline in the exports of these products, U.S. domestic consumption of fibers increased 1½% in 1981, to 12,255.5 million pounds. See the table opposite for more detail on imports as a percentage of

IMPORTS AS PERCENT OF DOMESTIC CONSUMPTION

YEAR	MAN-MADE FIBERS			COTTON			WOOL			TOTAL		
	DOM. CONS.	IMPORT	%	DOM. CONS.	IMPORT	%	DOM. CONS.	IMPORT	%	DOM. CONS.	IMPORT	%
1970	5,683.1	329.3	*5.8*	4,037.5	463.1	*11.5*	354.3	85.9	*24.2*	10,074.9	878.3	*8.7*
1971	6,833.6	451.1	*6.6*	4,231.3	492.6	*11.6*	276.1	66.2	*24.0*	11,341.0	1,009.9	*8.9*
1972	7,868.6	480.5	*6.1*	4,170.1	610.7	*14.6*	279.3	63.0	*22.6*	12,318.0	1,154.2	*9.4*
1973	8,841.3	465.3	*5.3*	3,881.6	563.5	*14.5*	212.6	61.3	*28.8*	12,935.5	1,090.1	*8.4*
1974	7,678.6	371.3	*4.8*	3,416.3	502.7	*14.7*	146.8	53.3	*36.3*	11,241.7	927.3	*8.2*
1975	7,494.5	400.4	*5.3*	3,216.3	501.3	*15.6*	161.4	48.6	*30.1*	10,872.2	950.3	*8.7*
1976	8,179.8	479.5	*5.9*	3,684.4	708.6	*19.2*	198.7	66.7	*33.6*	12,062.9	1,254.8	*10.4*
1977	9,050.6	530.7	*5.9*	3,469.7	669.4	*19.3*	208.3	85.9	*41.2*	12,728.6	1,286.0	*10.1*
1978	9,428.6	642.6	*6.8*	3,530.1	845.4	*23.9*	222.2	92.2	*41.5*	13,180.9	1,580.2	*12.0*
1979	9,374.4	525.0	*5.6*	3,334.5	746.1	*22.4*	201.0	80.6	*40.1*	12,909.9	1,351.7	*10.5*
1980	8,529.2	540.6	*6.3*	3,352.2	810.9	*24.2*	199.1	85.1	*42.7*	12,080.5	1,436.6	*11.9*
1981	8,723.9	639.1	*7.3*	3,297.6	961.9	*29.2*	234.0	93.1	*39.8*	12,255.5	1,694.1	*13.8*

domestic consumption. The 1981 total was made up of 8,723.9 million pounds of man-made fibers, 3,297.6 million pounds of cotton and 234.0 million pounds of wool.

Domestic consumption of cotton fell 1½% in 1981, to 3,297.6 million pounds. Thus, record imports of 961.9 million pounds of semimanufactured and manufactured products almost offset the 12% decline in U.S. mill consumption of cotton. Domestic consumption of wool last year was 18% above 1980's level and at its highest level since 1972.

1981 domestic consumption of man-made fibers totaled 8,723.9 million pounds, 2½% more than the 8,529.2 million pounds used the previous year. Again, increased imports of semimanufactured and manufactured products (second only to 1978's total of 642.6 million pounds) and a decline from the record exports of 1980 during 1981 led to an increase in domestic consumption.

DOMESTIC CONSUMPTION EXAMINED

The small text table shows the 3-fiber (cotton+wool +man-made) mill consumption, the imports and exports of semimanufactured and manufactured products and their export balance (-) or import balance (+) and the net domestic consumption for selected years, as drawn from the page 44 table.

MILLION POUNDS	1976	1977	1978	1979	1980	1981
MILL CONSUMPTION	11,587	12,191	12,410	12,647	11,962	11,578
IMPORTS	1,255	1,286	1,580	1,352	1,437	1,694
EXPORTS	779	748	809	1,089	1,318	1,017
IMPORT BALANCE	+476	+538	+771	+263	+119	+677
DOMESTIC CONS	12,063	12,729	13,181	12,910	12,081	12,255

AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - POUNDS

PERIOD[a]	POPULATION	PER CAPITA			
		MAN-MADE FIBER	COTTON	WOOL	TOTAL
	(41)	(42)	(43)	(44)	(45)
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.7	35.1	18.9	1.2	55.2
1975-1979	220.4	39.5	15.6	0.9	56.0
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	205.1	27.7	19.7	1.7	49.1
1971	207.7	32.9	20.4	1.3	54.6
1972	209.9	37.5	19.9	1.3	58.7
1973	211.9	41.7	18.3	1.0	61.0
1974	213.9	35.9	16.0	0.7	52.6
1975	216.0	34.7	14.9	0.7	50.3
1976	218.0	37.5	16.9	0.9	55.3
1977	220.2	41.1	15.8	0.9	57.8
1978	222.6	42.4	15.8	1.0	59.2
1979	225.1	41.6	14.8	0.9	57.3
1980	227.7	37.5	14.7	0.9	53.1
1981	229.8	38.0	14.3	1.0	53.3

a. Five year averages for 1920-1979 and annual data for 1965-1981.

Column 41. U.S. population as of July first. 1950 forward data include Alaska and Hawaii. Puerto Rico is excluded.

Columns 42 to 45. Columns 31, 34, 37 and 40 respectively on page 44 herewith divided by column 41.

The table below shows the percentage of domestic consumption (at 100%) accounted for by mill consumption and by the imports, exports, net imports (+) and net exports (–) of semimanufactured and manufactured products for selected years.

PERCENT		MILL CONS	IMP	EXP	NET IMP	DOM CONS
MAN MADE FIBER	**1976**	98	+6	-4	+2	100
	1977	98	+6	-4	+2	100
	1978	98	+7	-5	+2	100
	1979	101	+5	-6	-1	100
	1980	103	+6	-9	3	100
	1981	100	+7	-7	0	100
COTTON	**1976**	92	+19	11	+8	100
	1977	91	+19	-10	+9	100
	1978	86	+24	-10	+14	100
	1979	92	+22	-14	+8	100
	1980	91	+24	15	+9	100
	1981	82	+29	-11	+18	100
WOOL	**1976**	73	+34	-7	+27	100
	1977	64	+41	-5	+36	100
	1978	64	+41	-5	+36	100
	1979	67	+40	-7	+33	100
	1980	68	+44	-12	+32	100
	1981	65	+40	-5	+35	100
TOTAL FIBERS ABOVE	**1976**	96	+10	-6	+4	100
	1977	96	+10	-6	+4	100
	1978	94	+12	-6	+6	100
	1979	98	+10	-8	+2	100
	1980	99	+12	-11	+1	100
	1981	94	+14	-8	+6	100

IMPORTS AS PERCENT OF DOMESTIC CONSUMPTION

The table on page 51, derived from the domestic consumption section of the page 44 table, details the market share of imports of semimanufactured and manufactured goods for selected years.

Although man-made fiber imports of these products have increased, their market share has remained fairly constant at around 6%, except for 1981 when it jumped to almost 7½%. Over the eleven-year span 1970-1981, domestic consumption of man-made fibers grew at a 4.0% compound annual growth rate while imports of man-made products grew at an annual compound growth rate of 6.2%. Thus, imports, which represented 5.8% of domestic consumption in 1970, now represent 7.3%.

The growth in import penetration is most dramatically shown in the case of the natural fibers, with cotton almost tripling and wool almost doubling their share between 1970 and 1981. In 1981, imports of cotton products accounted for over 29% of domestic consumption as compared with just over 11% in 1970. For wool, the market share penetration was not as steep, rising from 24% in 1970 to almost 40% in 1981.

Imports of cotton and wool products occured even though domestic consumption of these products was declining. Domestic consumption of cotton during the 1970-1981 period fell at an annual rate of 1.8%, while imports of cotton products grew at a 6.9% annual rate. Thus, U.S. mills' share of the domestic consumption of cotton fell at an annual rate of 3.8% over this period, to only 71% of the domestic cotton market in 1981.

In the case of wool, where imports have historically been higher, imports grew from 24% of domestic consumption in 1970 to almost 40% in 1981. This growth has been more the result of declining U.S. mill consumption of wool rather than increasing imports. Over the eleven-year period 1970-1981, imports of wool products grew at an annual compound rate of under 1%. In the meantime, that portion of domestic consumption accounted for by U.S. mills fell at an annual rate of 5.7%.

U.S. IMPORT BALANCE OF MANUFACTURES INCREASED BY 473%

The table on page 46 details the imports, exports and balance of man-made fiber, cotton and wool manufactures. For 1981, the import balance of these fibers totaled 677.3 million pounds, a 473% increase over 1980. The 1981 import balance was 12% less than the record import balance of 771.2 million pounds set in 1978.

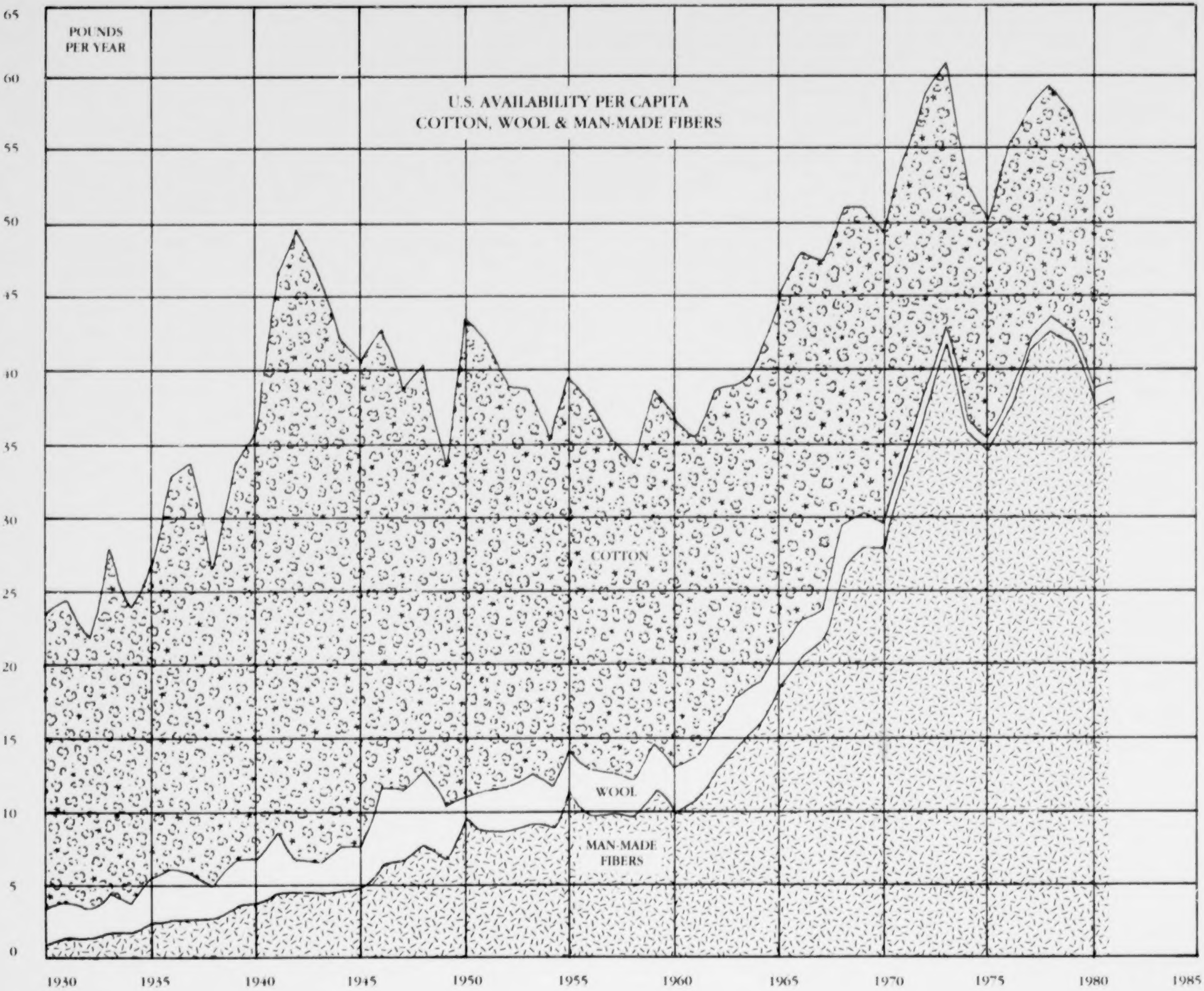
Imports of cotton manufactures totaled a record 961.9 million pounds, 19% above the 810.9 million pounds imported in 1980. Exports of cotton manufactures declined 30% in 1981 to a total of 367.3 million pounds. Thus the increase in imports and decline in exports of manufactures led to a record import balance of 594.6 million pounds for cotton manufactures in 1981. This was double the 1980 import balance of 287.8 million pounds and was 21% above the previous record import balance of 489.7 million pounds recorded in 1978.

In 1981, man-made fiber manufactures recorded a slight import balance of 1.4 million pounds, reversing two years of export balances. This import balance resulted from an 18% increase in imports, to a near record 639.1 million pounds, and a decline in exports of 17% to 637.7 million pounds.

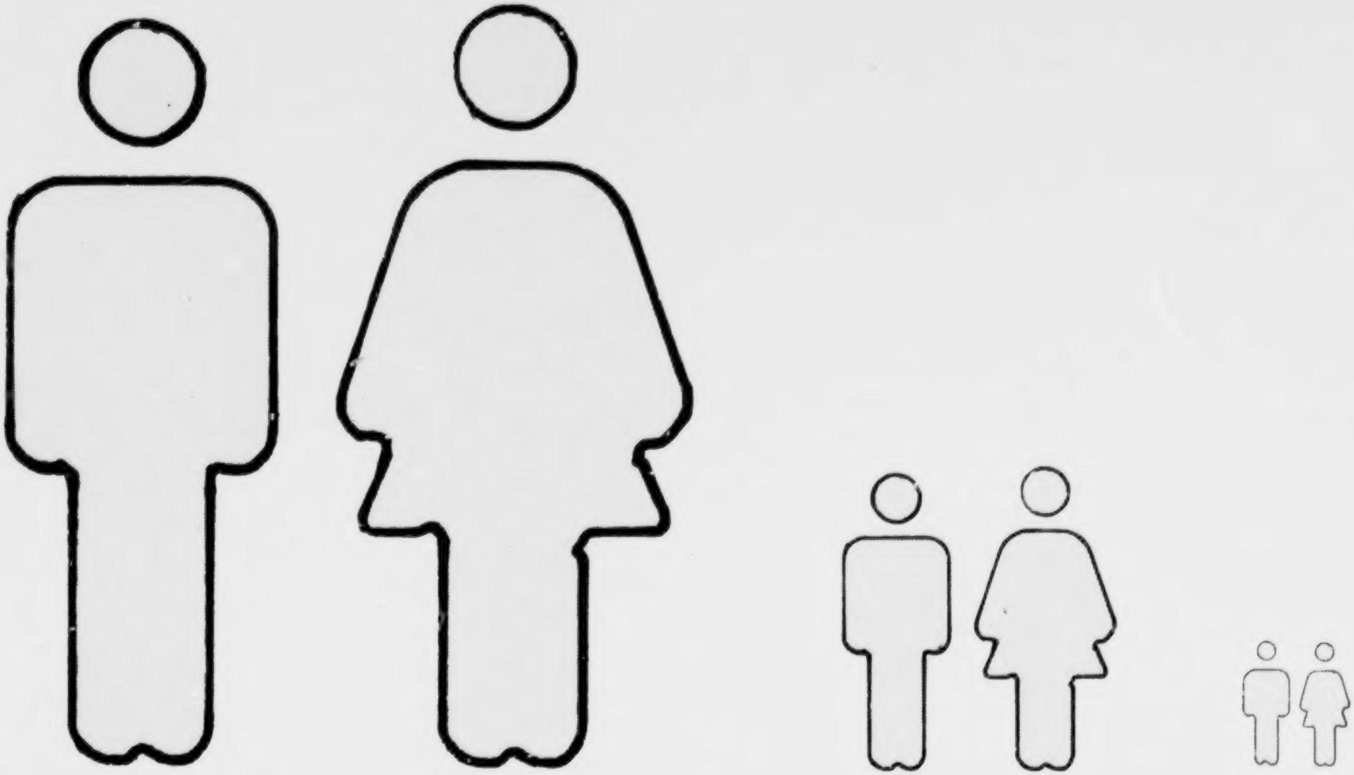
UTILITY POUNDAGE

The greater use of man-made fibers, with their high utility value per pound as compared with cotton and wool, has had the effect of reducing the overall per capita poundage series. Put another way, if all the products currently made of man-made fibers were produced from cotton or wool, larger poundages of fiber would be required.

Utility poundage takes into account (1) differences in processing losses between the various fibers, (2) differences in fabric weights or "covering power," (3) variations in the useful life of products made from individual fibers or blends thereof and (4) consumers' premature discarding of textile products because of appearance and/or style obsolescence.


POUNDS PER YEAR
U.S. AVAILABILITY PER CAPITA
COTTON, WOOL & MAN-MADE FIBERS
COTTON
WOOL
MAN-MADE FIBERS
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985

1981 PER CAPITA CONSUMPTION OF TEXTILE FIBERS



PER CAPITA AVAILABILITY

The table on page 51 details the availability per capita of man-made fibers, cotton and wool in the United States. The 1981 total of 53.3 pounds per person was ½% above the 1980 total of 53.1 pounds per person. Note that the 1970-1980 series has been revised in line with the 1980 census count. The chart on page 53 details per capita availability for the years 1930-1981.

Per capita availability of man-made fibers increased 1½% in 1981, to 38.0 pounds per person. Wool availability increased 11%, to 1.0 pounds per person, while cotton availability declined 2½% to 14.3 pounds per person. The diagram on page 54 illustrates the amount of man-made fiber, cotton and wool available per person.

The per capita series is obtained by dividing domestic consumption by the resident population each year.

RAW COTTON AND SILK DELIVERIES

The two tables following detail monthly shipments of raw cotton and silk (in bales) for the most recent years. The monthly shipments of cotton (in bales) are not adjusted to the calendar month as are the monthly shipments in pounds. See page 43 herewith.

RAW COTTON CONSUMPTION

THOUSAND BALES

MONTH	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
JAN	663	687	655	451	627	509	493	603	604	435
FEB	714	597	592	395	559	528	501	472	506	446
MAR	711	661	644	438	655	654	620	506	513	539
APR	620	632	610	462	596	507	484	584	622	433
MAY	721	637	633	501	579	507	484	484	496	441
JUN	678	604	546	494	610	616	575	489	478	531
JUL	518	504	535	485	489	395	383	503	487	385
AUG	646	636	562	531	550	494	459	472	442	429
SEP	631	543	489	548	556	606	569	482	456	517
OCT	652	649	529	629	554	835	482	630	597	448
NOV	650	620	452	604	527	50	595	482	458	403
DEC	575	509	390	624	541	562	435	436	475	400
TOTAL	**7779**	**7279**	**6617**	**6142**	**6833**	**6717**	**6080**	**6143**	**6134**	**5407**

RAW SILK DELIVERIES

BALES

MONTH	1972*	1973	1974	1975	1976	1977	1978	1979	1980	1981
JAN	233	556	124	190	925	352	321	501	312	471
FEB	184	355	395	188	409	239	594	302	644	380
MAR	308	450	233	410	689	242	424	687	422	471
APR	198	499	277	393	362	212	382	353	507	446
MAY	141	393	175	394	251	254	397	471	366	322
JUN	195	119	288	219	579	259	299	418	285	529
JUL	182	577	269	380	337	322	316	407	257	300
AUG	445	214	139	219	358	311	341	756	332	259
SEP	529	71	97	505	422	370	401	492	342	348
OCT	209	93	392	585	268	424	280	490	365	414
NOV	229	105	151	225	222	322	408	308	265	487
DEC	313	240	96	641	159	433	214	518	323	611
NET	**3166**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
REEXP	**715**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
GROSS	**3881**	**3678**	**2456**	**4349**	**5041**	**3740**	**4237**	**5763**	**4420**	**5038**

*Monthly data exclude re-exports

SHIPMENTS BY PRIMARY TRADE OR END USE

The tables on pages 56 and 57 detail producer shipments of yarn+monofilaments and staple+tow by primary trade or end use. The 1981 total of 7,413.7 million pounds was 3% below the 1980 total of 7,656.4 million pounds. Filament yarn+monofilament shipments fell 2½% to 3,688.9 million pounds in 1981 and staple+tow shipments fell 4% to 3,724.8 million pounds.

Although shipments of filament yarn+monofilaments were down 2½% in 1981, shipments of polyester yarn increased 5%, to 1,430.0 million pounds, and those of olefin yarn (including film fiber) increased 2½% to a record 628.3 million pounds. Deliveries of nylon filament yarn declined 8½% in 1981, to 1,404.3 million pounds, and acetate yarn deliveries fell by 16%, to 226.3 million pounds.

Shipments of nylon filament yarn to the hosiery trades increased marginally to 107.0 million pounds in 1981. Deliveries of nylon yarn to the narrow woven trades increased 8½% to 34.0 million pounds and shipments to other rubber industries increased 15%, to 25.7 million pounds. Shipments of nylon yarn to all other trades fell, with shipments to the carpet trades declining 11%, to 633.6 million pounds. Shipments of nylon yarn to the circular knit trades fell 15% (to 48.2 million pounds) and those to the flat knit trades fell 7½%, to 163.2 million pounds.

The biggest improvement in the shipment of polyester filament yarn (poundagewise) was to the broad woven goods area, where they increased 8½% in 1981, to 440.2 million pounds. Deliveries to the flat knit trades increased 17% (to 98.4 million pounds) whereas shipments to the circular knit trades (mainly double knits) declined 30%, to 345.6 million pounds. This continues the trend of declining shipments of polyester filament yarn to the circular knit trades since deliveries peaked at 881.1 million pounds in 1975. Shipments of polyester yarn to the tire industry in 1981 increased 8½% to 174.8 million pounds.

Only rayon staple+tow (up 1½%) and olefin+vinyon staple+tow (up 15% to a record 132.0 million pounds) increased their shipments to the primary domestic trades. Shipments of nylon staple+tow to these trades fell 2% (to 696.4 million pounds), acrylic+modacrylic fell 16% (to 494.1 million pounds) and polyester deliveries fell 3%, to 2,005.4 million pounds.

Shipments of nylon staple+tow to the carpet trades, which represent about 90% of all nylon staple shipments, declined in 1981 by 2%, to 617.4 million pounds. The other major use of nylon staple, broad woven goods, consumed 52.4 million pounds in 1981, a 1% decline from 1980.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1980				1981			
		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE		(N) NYLON+ARAMID			(P) POLYESTER		(O) OLEFIN				
HOSIERY[b]	N	99.0	106.3	106.3	107.0	27.2	26.7	25.3	27.1	27.2	27.2	27.7	24.9
OTHER CIRCULAR KNIT[c]	N	65.5	58.9	56.6	48.2	14.3	13.0	13.2	16.1	12.3	13.6	11.4	10.9
	P	635.5	615.4	495.7	345.6	145.8	108.7	114.4	126.8	95.4	97.3	83.9	69.0
	A	1.9	4.5	3.2	4.8	1.0	0.8	0.7	0.7	0.9	2.1	1.3	0.5
FLAT KNIT	A	138.5	146.9	144.9	104.7	37.4	40.0	35.9	31.6	27.6	37.2	23.5	16.4
	N	196.1	202.6	176.3	163.2	50.3	42.3	35.2	48.5	43.3	44.5	37.6	37.8
	P	81.7	89.0	83.8	98.4	23.2	17.7	19.8	23.1	25.7	25.1	25.1	22.5
CARPET FACE	N	677.8	732.5	714.5	633.6	183.5	157.5	169.3	204.2	184.0	186.9	146.6	116.1
	O	78.9	85.3	89.5	89.5	24.3	20.9	20.4	23.9	21.5	22.7	22.0	23.3
CARPET BACKING[d]	O	213.7	220.7	197.8	195.3	52.5	44.4	49.7	51.2	52.7	49.9	48.0	44.7
OTHER BROAD WOVEN[e]	A	125.9	129.2	110.5	104.7	32.7	27.4	25.6	24.8	22.8	27.7	29.6	24.6
	N	95.0	102.7	94.3	89.2	26.9	25.9	18.7	22.8	22.0	21.9	21.6	23.7
	P	411.5	387.2	405.5	440.2	102.9	97.1	96.6	108.9	100.8	138.4	115.6	85.4
	O	158.7	171.4	186.3	200.7	42.6	43.3	47.1	53.3	50.3	50.3	51.5	48.6
NARROW WOVEN[f]	A	7.0	5.9	8.7	8.5	1.5	3.2	2.0	2.0	1.5	2.2	2.2	2.6
	N	40.6	37.2	31.4	34.0	9.3	7.3	7.6	7.2	9.1	7.1	9.2	8.6
	P	29.1	30.5	28.1	28.1	8.1	5.6	7.4	7.0	6.4	7.5	7.3	6.9
	O	11.1	11.8	12.3	12.6	3.2	3.0	3.1	3.0	3.2	3.2	3.1	3.1
TIRES, INCL. CHAFER	N	267.6	285.3	209.2	204.7	69.4	40.2	45.1	54.5	51.5	52.7	52.6	47.9
	P	253.4	227.4	161.0	174.8	45.6	31.2	37.0	47.2	43.3	44.1	46.6	40.8
OTHER RUBBER INDUSTRY[g]	N	25.7	28.7	22.3	25.7	6.1	4.9	4.8	6.5	7.2	6.4	5.5	6.6
	P	32.0	35.8	30.2	35.1	10.0	6.1	6.7	7.4	7.4	8.1	9.5	10.1
ROPE, CORDAGE & FISHLINE	N	33.4	38.2	33.0	30.6	9.6	7.6	7.7	8.1	8.2	7.9	8.2	6.3
	P	10.6	13.6	13.1	15.8	3.0	3.6	3.0	3.5	4.6	3.7	3.7	3.8
	O	82.4	95.3	84.4	92.1	20.7	23.4	18.8	21.5	28.5	22.9	18.9	21.8
ALL OTHER[h]	A	1.5	1.9	1.9	3.6	0.3	0.5	0.5	0.6	0.6	0.7	1.0	1.3
	N	34.7	38.9	95.0	38.1	19.4	25.5	20.8	29.3	15.7	17.9	20.0	14.5
	P	53.8	126.2	146.0	292.0	30.6	40.7	35.5	39.2	70.5	68.3	73.1	80.1
	O	34.9	39.7	41.4	38.1	13.6	8.9	8.2	10.7	8.1	9.6	11.5	8.9
TOTAL DOMESTIC ABOVE	A	274.6	288.4	269.2	226.3	72.9	71.9	64.7	59.7	53.4	69.9	57.6	45.4
	N	1539.1	1631.3	1538.9	1404.3	416.0	350.9	347.7	424.3	380.5	386.1	340.4	297.3
	P	1507.6	1525.1	1363.4	1430.0	369.2	310.7	320.4	363.1	354.1	392.5	364.8	318.6
	O	579.7	624.2	611.7	628.3	156.9	143.9	147.3	163.6	164.3	158.6	155.0	150.4
TOTAL DOMESTIC ABOVE		**3901.0**	**4069.0**	**3783.2**	**3688.9**	**1015.0**	**877.4**	**880.1**	**1010.7**	**952.3**	**1007.1**	**917.8**	**811.7**
ALSO DIVIDED AS													
APPAREL		1671.2	1604.5	1530.4	1533.6	407.9	354.3	365.1	403.1	388.4	437.9	378.5	328.8
HOME FURNISHINGS		1171.9	1274.6	1212.7	1128.7	318.6	274.0	285.5	334.6	308.6	313.3	273.3	233.5
INDUSTRIAL		1057.9	1189.9	1040.1	1026.6	288.5	249.1	229.5	273.0	255.3	255.9	266.0	249.4
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		1.3	*	0	0	0	0	0	0	0	0	0	0
NYLON		161.6	166.8	167.4	149.9	40.4	41.6	39.4	46.0	39.0	39.8	36.5	34.6
POLYESTER		1018.7	1015.3	942.0	991.3	249.1	216.4	225.0	251.5	248.3	277.5	251.0	214.5
OLEFIN		52.3	46.5	40.9	33.5	11.0	9.0	8.1	12.8	9.7	8.9	8.4	6.5

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

Deliveries of acrylic+modacrylic to the hosiery, sweater and craft yarn trades declined 7½%, to 255.6 million pounds, in 1981. Shipments to all other detailed trades also declined with those to the pile fabric trades falling 26% (to 44.7 million pounds), to the knit trades down 27% (to 91.6 million pounds) and to blankets declining 33%, to 28.1 million pounds.

Shipments of polyester staple+tow to the broad woven trades declined 7½% in 1981, to 1,107.0 million pounds. However, shipments to the knit trades in-

STAPLE & TOW DOMESTIC SHIPMENTS

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1980				1981			
ITEM		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	241.8	238.8	275.7	255.6	75.8	71.9	56.2	71.8	65.2	70.6	67.2	54.6
	NPR	15.0	21.3	11.5	8.9	4.1	3.3	1.9	2.2	2.2	1.9	2.3	2.5
PILE FABRICS[b]	A	82.4	65.1	60.4	44.7	17.5	18.7	11.7	12.5	14.8	14.3	8.8	6.8
	P	15.1	17.8	18.3	14.9	5.1	4.9	4.1	4.2	3.6	4.5	3.5	3.3
OTHER CIRCULAR+FLAT KNIT[c]	R	10.8	11.7	9.8	10.9	3.8	1.8	2.4	1.8	2.7	3.3	2.6	2.3
	A	93.1	98.8	125.0	91.6	34.8	35.1	27.1	28.0	24.0	26.2	23.3	18.1
	P	223.7	278.1	296.3	300.7	83.9	71.1	62.3	79.0	77.7	78.7	78.2	66.1
BLANKETS[b]	A	55.2	45.5	42.2	28.1	10.7	11.0	11.9	8.6	7.6	6.2	6.4	7.9
	P	14.9	13.2	17.3	14.8	4.2	4.4	4.5	4.2	3.2	4.1	3.1	4.4
OTHER BROAD WOVEN	R	245.9	233.2	201.6	224.7	57.0	43.7	48.0	52.9	56.5	58.2	57.6	52.4
	N	52.6	59.2	53.0	52.4	15.6	9.9	10.2	17.3	12.4	14.2	13.2	12.6
	A	28.6	42.1	42.3	33.0	11.3	10.3	9.1	11.6	10.0	8.5	7.1	7.4
	P	1114.7	1171.0	1194.6	1107.0	321.1	282.2	267.5	323.8	269.9	290.8	284.2	262.1
	O	10.6	17.0	17.3	17.1	4.0	4.3	3.7	5.3	5.0	5.7	2.9	3.5
CARPET FACE YARNS	R	*	*	*	0.3	*	*	*	*	*	*	0.2	0.1
	N	798.5	828.0	631.5	617.4	149.4	115.8	171.3	195.0	185.7	192.7	136.3	102.7
	A	62.8	48.1			Included in All Other							
	P	200.8	192.4	119.9	124.0	32.2	25.1	23.9	38.7	27.0	37.6	29.2	30.2
	O	46.0	64.7	61.6	67.5	14.9	14.7	14.6	17.4	16.1	17.7	17.3	16.4
FIBERFILL[d]	P	198.2	239.6	205.1	226.7	55.5	44.6	52.7	52.3	57.1	54.0	59.0	56.6
FLOCK	NP	8.2	10.7	10.8	13.0	3.4	2.5	2.1	2.8	3.8	4.2	2.7	2.3
	R	4.7	5.1	5.1	5.6	1.2	1.4	1.1	1.4	0.8	1.3	2.3	1.2
NONWOVENS[ef]	R	166.2	160.3	147.3	124.6	45.1	39.0	29.6	33.6	32.6	34.9	29.3	27.8
	N	4.1	3.8	3.2	3.5	0.9	0.7	0.8	0.8	1.1	1.0	0.8	0.6
	P	98.5	153.6	166.6	149.3	43.0	39.9	41.3	42.4	36.1	37.8	35.8	39.6
	VINYON+O	28.6	36.7	34.6	42.7	9.4	7.1	8.4	9.7	9.6	11.3	11.1	10.7
ALL OTHER	R	29.5	30.9	26.2	29.1	7.0	6.6	6.1	6.5	7.1	6.5	8.4	7.1
	N	11.1	10.8	12.2	10.3	2.6	4.1	2.9	2.6	2.3	3.8	2.2	2.0
	A	7.7	8.2	39.7	41.1	11.5	8.7	8.9	10.6	10.6	11.2	10.7	8.6
	P	80.7	49.3	42.6	60.6	14.1	8.6	9.0	10.9	16.4	16.8	12.7	14.7
	VINYON+O	4.8	0.9	1.5	4.7	0.6	0.2	0.3	0.4	1.2	0.8	0.9	1.8
TOTAL DOMESTIC ABOVE	R	459.2	442.4	390.7	396.9	114.2	92.6	87.3	96.6	100.2	104.5	100.7	91.5
	N	876.4	913.2	711.2	696.4	171.9	133.2	187.6	218.5	204.8	215.9	155.4	120.3
	A	571.6	546.6	585.3	494.1	161.6	155.7	124.9	143.1	130.2	137.0	123.5	103.4
	P	1967.5	2134.4	2071.0	2005.4	563.1	483.8	406.8	557.3	493.2	525.9	507.5	478.8
	VINYON+O	90.0	119.3	115.0	132.0	28.9	26.3	27.0	32.8	31.9	35.5	32.2	32.4
TOTAL DOMESTIC ABOVE		**3964.7**	**4155.9**	**3873.2**	**3724.8**	**1039.7**	**891.6**	**893.6**	**1048.3**	**960.3**	**1018.8**	**919.3**	**826.4**
ALSO DIVIDED AS													
APPAREL		1493.4	1548.6	1632.9	1487.5	453.6	402.2	352.4	424.7	366.0	397.9	386.8	336.8
HOME FURNISHINGS		1714.8	1759.1	1478.0	1442.9	375.1	311.9	362.2	428.8	394.7	415.9	334.0	298.3
INDUSTRIAL		756.5	848.2	762.3	794.4	211.6	177.5	179.0	194.8	199.6	205.0	198.5	191.3

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

creased 1½% (to 300.7 million pounds), those of the carpet trades increased 3½% (to 124.0 million pounds) and those to fiberfill increased 11%, to 226.7 million pounds. After increasing steadily over the past few years, shipments of polyester staple+tow to the nonwoven trades declined 10% last year, to 149.3 million pounds.

Drawing together the yarn and staple data from the tables on pages 56 and 57, the distribution between these three market segments is as follows (million pounds).

	1977	1978	1979	1980	1981
Apparel	3186	3165	3153	3163	3021
Home Furnishings	2693	2887	3034	2691	2572
Industrial	1645	1814	2038	1802	1821
	7524	**7866**	**8225**	**7656**	**7414**

TEXTILE MILL PRODUCTS (SIC 22): TRENDS AND PROJECTIONS 1972-81

(IN MILLIONS OF DOLLARS EXCEPT AS NOTED)

ITEM	1972	1977	1978	1979	1980[a]	1981[b]	COMPOUND ANNUAL RATE OF GROWTH 1972-81
INDUSTRY DATA							
VALUE OF SHIPMENTS[c]	27,852	46,630	49,170	52,660	54,603	56,634	8.2
VALUE OF SHIPMENTS (1972 $)[c]	27,852	31,840	33,890	33,850	32,163	30,401	1.0
TOTAL EMPLOYMENT (000)	952.8	875.7	861.8	842.3	808.6	792.4	-2.0
PRODUCTION WORKERS (000)	836.0	764.7	752.6	732.4	704.3	695.6	-2.0
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS	2.75	3.99	4.30	4.66	5.08	5.52	8.0
CAPITAL EXPENDITURES	1,124	1,223	1,356	1,329	1,431	1,420	2.6
PRODUCT DATA							
PRODUCT PRICE INDEX (1977=100)	NA	100.0	102.0	106.8	116.5	127.8	—
TRADE							
VALUE OF EXPORTS	638	1,857	2,073	3,029	3,458	3,717	22.0
VALUE OF IMPORTS	1,379	1,765	2,212	2,214	2,475	2,924	8.7
EXPORT SHIPMENTS RATIO	0.023	0.040	0.042	0.057	0.063	0.066	—
IMPORT NEW SUPPLY RATIO[d]	0.047	0.037	0.043	0.040	0.043	0.049	—

SOURCE: *1982 U.S. Industrial Outlook* by the Department of Commerce

a. Estimated except for product price index, exports and imports

b. Estimated

c. Value of all products and services sold by the textile mill industry

d. New supply is the sum of industry shipments plus imports

TEXTILE TRENDS

The U.S. Department of Commerce has just published a booklet entitled ***1982 U.S. Industrial Outlook*** from which the tables on pages 58 and 59 are abstracted. This publication provides a 10-year history of the textile industry, both by an overview and by individual segment. However, due to ongoing bilateral trade negotiations in the textile trade, no five-year forecasts are given for textile products, as are proposed for many other industries.

The following text table compares the 1979 data of report with those published by the Man-Made Fiber Producers Association, Inc. (MMFPA) in its latest ***Fact Book*** and statistical ***Update***.

	1979	
	Commerce	**MMFPA**
Fiber Sales (million $)	7,808	8,490
Employment	87,800	89,000
Investments (million $)	424	500

In the 1981 annual report of the MMFPA, 1980 fiber sales are put at $8.6 billion. This compares with the U.S. Department of Commerce estimate of $8,338 million.

BOOK REVIEW

MAN-MADE FIBERS - A NEW GUIDE

Man-Made Fiber Producers Association, Inc., 1150 Seventeenth Street, N.W., Washington, DC 20036. 16 pages. 1982.

The Man-Made Fiber Producers Association has just released ***Man-Made Fibers - A New Guide***, superceding ***Guide to Man-Made Fibers***.

This booklet explains how man-made fibers are made, their trademarks and many of their uses, including such unique ones as false eyelids and bulletproof vests.

Also included is a brief history of the industry and a quick guide to uses and characteristics of generic fibers. Looking to the future, the challenges of imports and conserving energy are discussed.

For a free copy, write to: Guide, Suite 310, 1150 Seventeenth Street, N.W., Washington, DC 20036.

U.S. HOSIERY PRODUCTION

Production of all types of hosiery by U.S. manufacturers in 1980 totaled 280.3 million dozen pairs, 5% less than the record 294.5 million dozen pairs produced in 1979. Annual production data are presented in the table on page 60 as taken from the 47th Annual Report of the National Association of Hosiery Manufacturers. The full report is available from the Association, 516 Charlottetown Mall, Box 4098, Charlotte, NC 28204, for $35.00.

Other sections of the report show monthly and annual production, monthly and annual shipments, per capita consumption data, end-of-year stock and fiber content of hosiery by type. For the period January through April 1980, total hosiery production on a fiber basis was cotton 14%, other natural fibers 2%, acrylic+modacrylic 21%, nylon 62% and polyester 1%.

Also tabulated are the number of hosiery producing companies on a regional basis, the number of hosiery plants operated by these companies, the number of employees in the industry and percentage of production by area. Imports and exports of hosiery are also analyzed.

CELLULOSIC FIBERS (SIC 2823): TRENDS AND PROJECTIONS 1972-81

(IN MILLIONS OF DOLLARS EXCEPT AS NOTED)

ITEM	1972	1977	1978	1979	1980[a]	1981[b]	COMPOUND ANNUAL RATE OF GROWTH 1972-81
INDUSTRY DATA							
VALUE OF SHIPMENTS[c]	589.5	1,002.8	1,105.0	1,244.9	1,280.0	1,475.5	10.7
VALUE OF SHIPMENTS (1972 $)[c]	589.5	737.9	773.3	807.9	722.4	735.3	2.5
TOTAL EMPLOYMENT (000)	17.1	16.0	17.1	17.0	16.3	15.6	1.0
PRODUCTION WORKERS (000)	14.4	12.6	13.7	13.6	12.8	12.1	1.9
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS	3.62	6.02	6.58	7.28	7.89	8.63	10.1
CAPITAL EXPENDITURES	32.7	29.4	32.7	83.7	—	—	—
PRODUCT DATA							
VALUE OF SHIPMENTS[d]	684.6	851.1	945.3	1,088.6	1,087.1	1,259.8	7.0
VALUE OF SHIPMENTS (1972 $)[d]	684.6	626.3	661.5	706.4	616.8	627.9	1.0
PRODUCT PRICE INDEX (1972=100)	100.0	145.0	151.5	164.4	188.0	212.9	—
QUANTITY SHIPPED (MILLIONS OF POUNDS)	1,185.8	867.9	928.9	934.1	815.7	830.3	3.9
TRADE							
VALUE OF EXPORTS	29.2	61.6	63.9	92.4	81.6	64.7	9.2
VALUE OF IMPORTS	25.7	51.0	45.0	25.0	23.3	26.0	14.1
EXPORT SHIPMENTS RATIO	0.043	0.073	0.068	0.085	0.075	0.051	—
IMPORT NEW SUPPLY RATIO[e]	0.037	0.057	0.046	0.023	0.021	0.021	—

SOURCE: *1982 U.S. Industrial Outlook* by the Department of Commerce

a. Estimated except for product price index, exports and imports.

b. Estimated.

c. Value of all products and services sold by industry (SIC 2823).

d. Value of shipments of cellulosic fibers products produced by all industries.

e. New supply is the sum of product shipments plus imports.

ORGANIC FIBERS, NON-CELLULOSIC (SIC 2824): TRENDS AND PROJECTIONS 1972-81

(IN MILLIONS OF DOLLARS EXCEPT AS NOTED)

ITEM	1972	1977	1978	1979	1980[a]	1981[b]	COMPOUND ANNUAL RATE OF GROWTH 1972-81
INDUSTRY DATA							
VALUE OF SHIPMENTS[c]	3,638.9	6,379.7	6,921.0	8,227.2	8,810.8	11,034.9	13.1
VALUE OF SHIPMENTS (1972 $)[c]	3,638.9	5,805.0	6,229.5	6,782.5	6,450.1	6,824.3	7.2
TOTAL EMPLOYMENT (000)	78.2	74.0	72.4	70.8	68.9	68.6	-1.4
PRODUCTION WORKERS (000)	58.4	54.8	53.6	52.7	50.7	49.5	-1.8
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS	4.28	6.66	7.29	7.96	8.80	9.59	9.4
CAPITAL EXPENDITURES	372.5	338.5	487.5	340.1	—	—	—
PRODUCT DATA							
VALUE OF SHIPMENTS[d]	2,949.0	5,471.5	5,912.2	6,719.2	7,250.8	9,077.8	13.3
VALUE OF SHIPMENTS (1972 $)[d]	2,949.0	5,132.7	5,499.7	5,718.5	5,435.4	5,749.1	7.7
PRODUCT PRICE INDEX (1972=100)	100.0	106.2	107.2	117.2	133.0	157.4	—
QUANTITY SHIPPED (MILLIONS OF POUNDS)	5,360.6	7,104.1	7,756.3	8,420.6	8,003.9	8,465.7	5.2
TRADE							
VALUE OF EXPORTS	140.8	307.8	272.3	304.5	462.5	576.5	17.0
VALUE OF IMPORTS	138.1	89.3	90.9	65.4	69.5	86.2	24.0
EXPORT SHIPMENTS RATIO	0.048	0.056	0.046	0.045	0.064	0.064	—
IMPORT NEW SUPPLY RATIO[e]	0.045	0.020	0.018	0.012	0.011	0.009	—

SOURCE: *1982 U.S. Industrial Outlook* by the Department of Commerce

a. Estimated except for product price index, exports and imports.

b. Estimated.

c. Value of all products and services sold by industry (SIC 2824).

d. Value of shipments of non cellulosic fibers products produced by all industries.

e. New supply is the sum of product shipments plus imports.

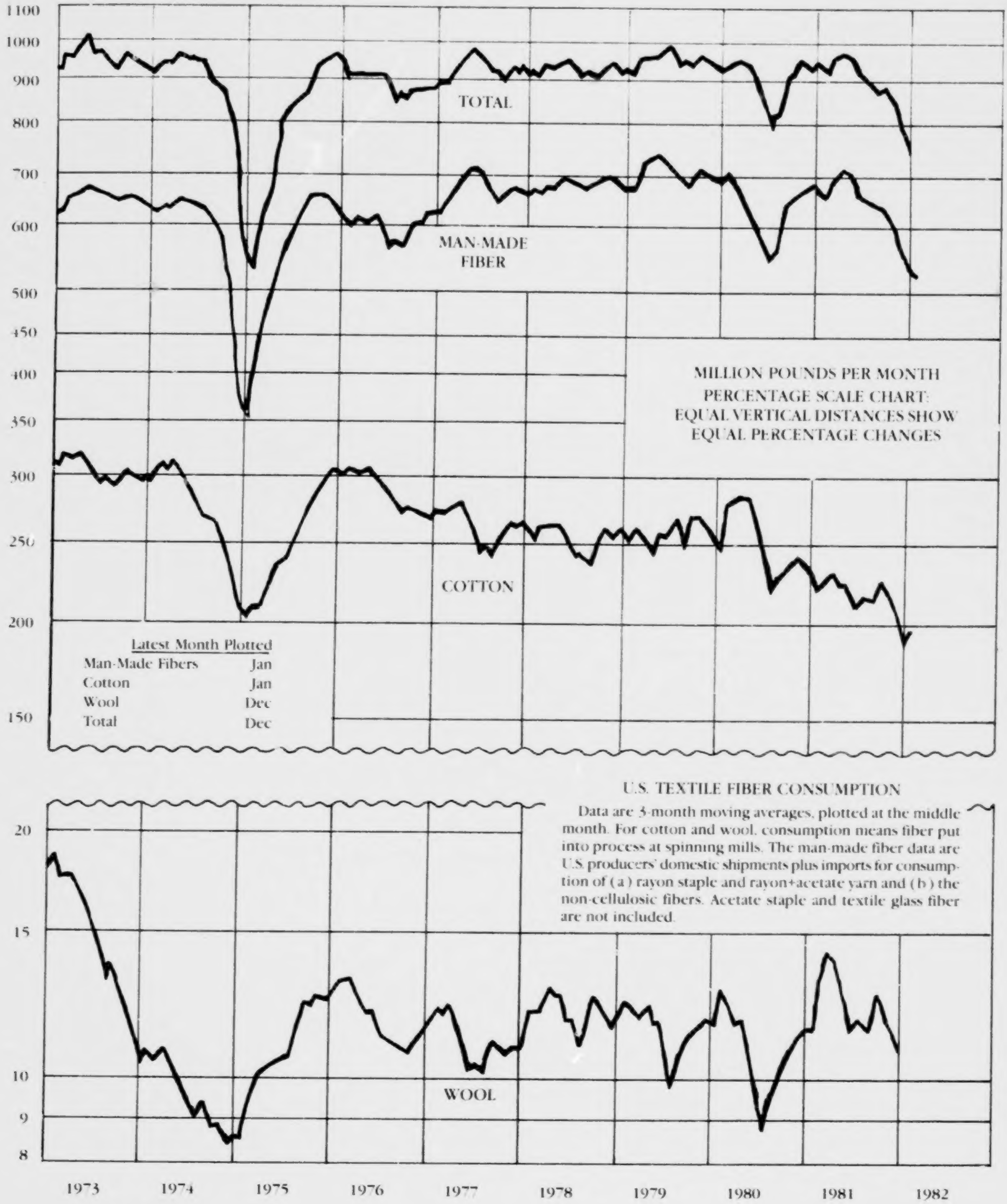
U.S. PRODUCTION OF HOSIERY, 1967-1980

MILLION DOZEN PAIRS

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
WOMEN'S														
PANTYHOSE SHEER	NA	15.3	44.9	81.7	60.7	76.0	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3
ELASTOMER	NA	1.6	14.2	6.7	4.8	2.3	3.8	4.7	8.8	13.8	19.4	27.7	33.2	36.7
OTHER[a]						2.6	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0
SUBTOTAL PANTYHOSE	**NA**	**16.9**	**59.1**	**88.4**	**65.5**	**80.9**	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**
STOCKINGS NONSTRETCH	100.3	85.8	44.6	23.4	14.1	8.5	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0
STRETCH	16.2	16.9	19.1	9.5	11.0	7.1	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4
SUPPORT	2.6	1.9	2.8	1.8	1.3	0.9	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7
OTHER			2.1	1.6	1.1	0.7	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1
SUBTOTAL STOCKINGS	**119.1**	**104.6**	**68.6**	**36.3**	**27.5**	**17.2**	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**
SHEER KNEE HIGHS & ANKLETS	0.5	0.4	0.4	1.0	2.1	4.6	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4
TOTAL WOMEN'S	**119.6**	**121.9**	**128.1**	**125.7**	**95.1**	**102.7**	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**
MEN'S (SIZES 10 AND UP)														
ANKLETS & FOOTSOCKS	45.1	41.2	48.1	54.1	49.7	52.9	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9
MID CALF	5.5	5.6	5.3	5.7	6.1	6.9	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4
KNEE HIGHS	3.8	3.3	3.8	4.4	3.9	3.7	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8
TOTAL MEN'S	**54.4**	**50.1**	**57.2**	**64.2**	**59.7**	**63.5**	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**
GIRLS', BOYS' & WOMEN'S (SIZES 8-11)														
ANKLETS	29.0	22.3	22.7	20.4	21.4	21.3	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5
KNEE HIGHS	4.8	6.2	10.2	10.4	11.9	14.2	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3
MID CALF CREW	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1
WAIST HIGHS														0.3
FOOTSOCKS	1.8	1.7	2.6	2.8	2.7	4.5	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6
TOTAL SIZES 8-11	**35.6**	**30.2**	**35.5**	**33.6**	**36.0**	**40.0**	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**
INFANTS' & CHILDREN'S (SIZES 3-8½)														
ANKLETS	18.5	15.2	15.9	15.3	15.6	17.3	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3
KNEE HIGHS	2.2	2.9	3.5	4.2	3.8	3.6	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6
MID CALF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3
WAIST HIGHS & FOOTSOCKS	NA	NA	1.2	1.1	0.7	0.8	0.6	0.6	0.5	0.9	1.0	1.3	1.6	1.6
TOTAL SIZES 3-8½	**20.7**	**18.1**	**20.6**	**20.6**	**20.1**	**21.7**	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**
TOTAL HOSIERY	**230.3**	**220.3**	**241.4**	**244.1**	**210.9**	**227.9**	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**

SOURCE: National Association of Hosiery Manufacturers - *1980 Hosiery Statistics.*

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.



Latest Month Plotted	
Man-Made Fibers	Jan
Cotton	Jan
Wool	Dec
Total	Dec

U.S. TEXTILE FIBER CONSUMPTION

Data are 3-month moving averages, plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man-made fiber data are U.S. producers' domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM	1981 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982 JAN
RAYON+ACETATE YARN, MONOFIL & STRIPS													
CANADA	318	125	8	1	12	5	0	15	4	14	35	87	0
MEXICO	161	79	163	41	191	166	81	246	121	78	68	122	155
BELGIUM	0	50	25	0	76	0	23	0	0	6	16	0	11
WEST GERMANY	242	290	555	200	639	179	115	357	306	435	205	229	502
GREECE	0	0	0	0	39	0	0	0	0	82	40	0	0
NETHERLANDS	236	593	333	293	262	194	372	330	284	197	198	90	86
SPAIN	142	0	0	0	41	0	40	0	0	0	0	41	40
UNITED KINGDOM	1	10	0	6	41	0	90	73	14	0	0	0	0
JAPAN	64	0	0	0	33	36	0	28	14	51	25	0	20
SOUTH KOREA	1	0	0	40	40	0	0	0	60	34	0	0	0
ALL OTHER COUNTRIES[a]	19	4	0	0	0	20	5	38	0	24	9	43	47
TOTAL R+A YARN	**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**	**612**	**861**
RAYON+ACETATE STAPLE+TOW													
CANADA	469	474	436	451	421	392	411	463	407	401	295	204	155
AUSTRIA	731	113	166	303	768	250	463	368	526	300	651	64	605
FRANCE	18	83	39	43	0	45	0	0	0	194	0	0	1
WEST GERMANY	0	0	85	0	0	0	0	43	2	43	0	87	42
ITALY	0	12	0	0	36	16	105	115	0	292	0	0	0
SWEDEN	332	234	184	0	187	227	227	298	224	184	331	281	464
UNITED KINGDOM	226	76	7	157	203	235	349	75	122	249	148	39	117
JAPAN	90	147	74	118	59	88	105	87	60	220	99	78	149
ALL OTHER COUNTRIES[b]	0	0	0	0	0	0	2	0	96	37	0	23	153
TOTAL R+A STAPLE	**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**	**776**	**1686**
NON-CELLULOSIC YARN, MONOFIL & STRIPS													
CANADA	50	98	4	579	415	280	389	263	55	45	207	121	295
MEXICO	14	20	12	15	44	9	3	99	2	8		39	0
AUSTRIA	0		0	0	64	0	41	10	0	11	0	11	7
BELGIUM		0	0	0		1	0	5	57	68		0	0
FRANCE	94	130	203	210	166	109	235	125	101	214	137	112	128
WEST GERMANY	256	382	275	501	426	353	320	508	352	470	557	206	581
ITALY	52	152	35	0	108	79	0	333	227	155	47	41	24
NETHERLANDS	0	1	9	0	49	28		42	0	3	38	1	2
SPAIN	61	0	0	0	0	0	0	179	0	99	0	0	0
SWITZERLAND	1	3	8	0	3	3	50		3	50	1	28	2
UNITED KINGDOM	57	114	37	3	5	1	4	15	14	48	27	56	67
JAPAN	300	671	357	776	662	743	773	601	360	670	691	262	453
SOUTH KOREA	5	36	3	3	43	2	1	3	3	2	1	1	2
ALL OTHER COUNTRIES[c]	2	3	6	0	50	6	2	0	31	11	42	61	122
TOTAL N.C. YARN	**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**	**939**	**1683**
NON-CELLULOSIC STAPLE+TOW													
CANADA	328	350	449	531	714	425	1250	649	696	617	353	285	439
MEXICO	190	28	97	510	693	217	141	384	264	483	781	42	177
BELGIUM	0	130	0	152	70	2	5	36	31	115	203	128	29
FRANCE	44	797	198	508	533	254	528	168	472	406	379	56	219
WEST GERMANY	541	1963	1625	2233	1644	1345	2386	2453	732	1601	846	751	730
IRELAND		56	0	0	0	0	39	0	39	87	0	39	0
ITALY	7	813	616	423	717	164	1426	649	1202	72	1193	50	58
NETHERLANDS	0	39	44	80	35	15	15	98	37	24	15	44	141
POLAND	44	38	0	0	89	0	0	3	0	0	26	0	0
ROMANIA	0	0	132	84	28	0	23	0	71	287	0	58	50
UNITED KINGDOM	208	508	320	173	264	818	713	607	306	411	465	282	195
EGYPT	0	0	0	0	0	0	0	0	333	0	0	0	0
JAPAN	828	335	367	493	343	478	434	288	202	356	264	328	588
TAIWAN	324	745	588	875	583	866	198	852	1291	653	258	130	616
ALL OTHER COUNTRIES[d]	0	13	0	16	1	54	23	72	26	11	79	2	16
TOTAL N.C. STAPLE	**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**	**2195**	**3258**

Other countries supplying 1982 poundages are:

a. France 44 & Italy 3.

b. Australia 153.

c. Costa Rica 117, Ireland 1 & Sweden 4

d. East Germany 15 & Switzerland 1.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1-1-78	1981 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982 JAN
RAYON+ACETATE														
YARN SINGLES														
TEXTURED	310.0106 & .0206	1	10	0	242	4	0	9		0	0	0	43	5
OTHER	310.0130 & .0230[a]	1182	1139	1084	339	1370	600	712	1072	803	920	587	565	856
MONOFILAMENTS	309.0310 & .0610	1	2	0	0	0	0	0	0	0	1	0		0
STRIPS, $1 LB & UNDER	309.2000 *	0	0	0	0		0	5	15	0	0	9	4	0
SUBTOTAL ABOVE		**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**921**	**596**	**612**	**861**
STAPLE	309.4320 & .4325	1627	1006	927	887	1442	990	1311	1317	1358	1686	1338	737	1510
GROUPED FILAMENTS	309.3010 & .3110	239	133	64	185	232	263	351	132	79	234	186	39	176
SUBTOTAL ABOVE		**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**1920**	**1524**	**776**	**1686**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	37	7	37	0	35	40	65	46	40	58	116	38	0
NON-CELLULOSIC FIBERS														
YARN SINGLES														
TEXTURED NYLON	310.0109 & .0209	197	217	215	586	507	375	471	159	176	443	195	286	423
POLYESTER	310.0110 & .0210	27	7	22	13	79	80	1	294	98	16	65	66	231
OTHER	310.0114 & .0214	17	56	8	17	49	23	85	21	3	149	35	29	32
OTHER NYLON	310.0149 & .0249	204	525	127	542	487	354	317	416	438	284	208	74	111
POLYESTER	310.0150 & .0250	111	411	299	399	482	491	293	935	190	618	941	271	551
OTHER	310.0170 & .0270[b]	170	183	113	188	164	56	182	81	108	111	89	150	164
MONOFILAMENTS	309.0200 & .6330[c]	145	200	149	321	258	220	458	263	161	220	191	29	140
STRIPS, OVER $1 LB	309.2100 & .2500 *	21	11	16	21	9	15	11	14	31	13	24	34	31
SUBTOTAL ABOVE		**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**1854**	**1748**	**939**	**1683**
STAPLE NYLON	309.4338	3525	2686	1698	2533	2455	1574	4055	3238	2062	504	1729	517	392
POLYESTER	309.4342	132	111	306	661	847	363	328	576	840	1187	1066	232	487
ACRYLIC	309.4345	1069	1594	907	1201	1005	565	736	695	480	1259	569	385	526
OLEFIN	309.4346	5	0	304	1	5	71	474	79	125	60	10		1
OTHER	309.4355	469	961	673	1088	852	1281	356	1285	1066	1069	616	350	899
GROUPED FILAMENTS														
NYLON	309.3030 & .3130	68	50	68	137	155	196	500	23	18	473	300	187	460
POLYESTER	309.3040 & .3140	0	42	0	0	44	90	18	30		43	22	47	0
ACRYLIC	309.3050 & .3150	181	255	178	291	195	312	372	256	175	375	477	367	297
OTHER	309.3065 & .3165	65	116	302	166	156	186	342	77	336	153	73	110	196
SUBTOTAL ABOVE		**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**5123**	**4862**	**2195**	**3258**
WASTE, NOT ADVANCED NYLON	309.6625	1598	1587	2822	1713	2134	1607	2239	2344	2417	2114	2458	2222	1882
POLYESTER	309.6630	1071	1810	1547	1005	1473	1321	1438	1409	1282	2508	1491	1756	1398
ACRYLIC	309.6645	289	258	200	236	379	269	87	514	3	30	424	183	0
OTHER	309.6660	32	203	263	328	127	331	196	340	15	368	346	420	433
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	0	0	0	29	28	0	28	0		0
OTHER WASTE, ADVANCED	309.7525 - .7555	119	63	3	35	2	6	23	58	31	117	74	5	50
SUBTOTAL ABOVE		**3109**	**3921**	**4835**	**3317**	**4115**	**3534**	**4012**	**4693**	**3748**	**5165**	**4793**	**4586**	**3763**
TOTAL MAN-MADE ABOVE		**9602**	**13643**	**12332**	**13135**	**14947**	**11679**	**15464**	**15717**	**12935**	**15041**	**13639**	**9146**	**11251**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD														
YARN PLIED														
TEXTURED CELLULOSIC	310.1106	0		24	0	0	0	0	0	0	1	0		0
NON CELLULOSIC	310.1015[d] & .1109[e]	268	124	213	313	364	265	342	335	143	459	299	180	407
OTHER CELLULOSIC	310.1030 & .1135[f]	16		0		0	0	0	1	0	1	3		
NON CELLULOSIC	310.1050 & .1070[g]	20	27	26	44	20	4	125	14	13	16	45	19	200
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	10	25	24	52	37	24	93	130	58	75	67	64	28
OTHER	310.4015 & .4027[i]	1762	1454	1794	1740	2164	1312	1542	1314	1258	1982	1315	962	1570
OTHER YARNS, NES, INCL. CHENILLE	310.6029 - .8000	352	109	261	415	609	433	361	356	374	345	324	178	205
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	247	230	188	190	262	292	226	208	195	316	272	171	166
SLIVER, TOPS & ROVING	309.9000	388	473	322	262	173	245	370	595	115	366	127	186	434
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1156	441	1047	551	643	1485	1575	3434	2410	2127	2201	1142	1737
GRAND TOTAL ABOVE		**13821**	**16526**	**16231**	**16702**	**19219**	**15739**	**20098**	**22104**	**17501**	**20729**	**18292**	**12048**	**15998**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA MILLION POUNDS

ITEM	1982 JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE[a] 1982	1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**19.1**	**16.9**					**36.0**	**42.5**
NYLON[e] INDUSTRIAL[f]	26.2	29.2					55.4	68.9
LOW DENIER INDUSTRIAL[g]	2.6	2.3					4.9	6.0
CARPET	40.3	43.3					83.6	130.9
TEXTILE	27.9	27.0					54.9	70.3
POLYESTER INDUSTRIAL[f]	22.6	24.4					47.0	48.8
LOW DENIER INDUSTRIAL[g]	1.9	1.8					3.7	4.2
TEXTILE	75.4	87.8					163.2	190.8
OLEFIN[h]	52.0	52.4					104.4	111.8
TOTAL NON-CELLULOSIC ABOVE[i]	**248.9**	**268.2**					**517.1**	**631.7**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**30.3**	**28.9**					**59.2**	**76.3**
NYLON[e]	48.0	48.3					96.3	138.2
ACRYLIC+MODACRYLIC	45.8	47.7					93.5	121.5
POLYESTER	173.3	176.4					349.7	419.7
OLEFIN+VINYON	7.8	9.6					17.4	21.1
TOTAL NON-CELLULOSIC ABOVE	**274.9**	**282.0**					**556.9**	**700.5**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**12.4**	**11.7**					**11.7**	**15.4**
NYLON[e] INDUSTRIAL[f]	41.7	37.6					37.6	37.9
LOW DENIER INDUSTRIAL[g]	4.5	4.5					4.5	3.2
CARPET	62.3	58.0					58.0	38.2
TEXTILE	50.9	52.9					52.9	43.1
POLYESTER INDUSTRIAL[f]	23.7	25.1					25.1	23.1
LOW DENIER INDUSTRIAL[g]	4.0	3.4					3.4	3.4
TEXTILE	93.4	89.9					89.9	104.1
OLEFIN[h]	64.3	64.0					64.0	62.3
TOTAL NON-CELLULOSIC ABOVE[i]	**344.8**	**335.4**					**335.4**	**315.3**
STAPLE+TOW+FIBERFILL								
RAYON	**32.6**	**35.6**					**35.6**	**25.1**
NYLON[e]	63.9	58.7					58.7	37.4
ACRYLIC+MODACRYLIC	68.6	65.2					65.2	76.3
POLYESTER	180.4	191.9					191.9	182.3
OLEFIN+VINYON	30.0	31.3					31.3	16.9
TOTAL NON-CELLULOSIC ABOVE	**342.9**	**347.1**					**347.1**	**312.9**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	10.5						10.5	11.0
CARPET CLASS WOOL	0.7						0.7	0.8
TOTAL RAW WOOL	11.2						11.2	11.8
RAW COTTON	188.3	222.0					410.3	462.8

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

Textile Organon

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MONTHLY REVIEW

Highlights

U.S. exports of man-made fibers and manufactures (except textile glass fibers) during 1981 totaled a record high 2,088,768 thousand pounds, ½% more than 1980.

Imports of man-made fibers and manufactures (except glass fibers) last year were 796,356 thousand pounds, a 25% increase over 1980 figures.

Thus, an **export balance** of 1,292,412 thousand pounds occurred during 1981, 10% less than the record export balance of 1,443,534 thousand pounds recorded in 1980.

NON-CELLULOSIC SHIPMENTS UP 5%

Shipments of non-cellulosic fibers (except saran and spandex) continued the improvement begun in February. March shipments of these fibers totaled 577.4 million pounds, 5% above the 550.4 million pounds delivered during the previous month. Filament yarn shipments increased 5% in March, to 281.5 million pounds, and staple+tow deliveries increased 4½%, to 295.9 million pounds, from their respective February levels.

However, first quarter 1982 shipments of non-cellulosic fibers (except saran and spandex), at 1,651.7 million pounds, were 18% below first quarter 1981 levels of 2,026.3 million pounds. Filament yarn shipments for the January-March 1982 quarter totaled 797.8 million pounds, 18% less than first quarter 1981 deliveries and staple+tow deliveries during the latest quarter, at 853.9 million pounds, were 19% below those of the corresponding 1981 quarter.

MARCH AND FEBRUARY SHIPMENTS COMPARED

Following is a comparison of total March shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with February (million pounds), and the percentage change, respectively: nylon industrial yarn 31.5 & 29.2 & +8%; low denier industrial 2.6 & 2.3 & +13%; carpet 46.0 & 43.3 & +6%; textile 29.5 & 27.0 & +9%; polyester industrial 27.8 & 24.4 & +14%; low denier industrial 1.9 & 1.8 +5½%; textile 88.5 & 87.8 & +1%; olefin 53.7 & 52.0 & +3½% and the total of these fibers 281.5 & 267.8 & +5%.

Similarly, for non-cellulosic staple+tow, the corresponding data are: nylon 49.7 & 48.3 & +3%; acrylic+modacrylic 61.0 & 47.7 & +28%; polyester 174.0 & 176.4 & -1½%; olefin+vinyon 11.2 & 10.2 & +10% and the total 295.9 & 282.6 & +4½%.

March shipments of acrylic+modacrylic staple+tow, at 61.0 million pounds, were at their highest level since 61.9 million pounds were shipped during May 1981.

CELLULOSIC SHIPMENTS INCREASED 2% IN MARCH

March deliveries of acetate filament yarn and rayon staple+tow totaled 46.8 million pounds, 2% more than the 45.8 million pounds shipped in February. However, shipments for the first three months of 1982, at 142.0 million pounds, were 20% less than the 178.2 million pounds shipped during the first quarter of 1981.

Acetate yarn deliveries during March totaled 17.7 million pounds, 4½% above the 16.9 million pounds shipped in February. But, year-to-date shipments of 53.7 million pounds were 16% less than the 64.0 million pounds delivered during the January-March 1981 period.

Deliveries of rayon staple+tow in March were 29.1 million pounds, an increase of ½% over the 28.9 million pounds shipped during the previous month. However, first quarter 1982 shipments of 88.3 million pounds were 23% below the 114.2 million pounds delivered during the corresponding 1981 quarter.

NON-CELLULOSIC STOCKS DECLINED 1½% IN MARCH

As of March 31, 1982, man-made fiber producers had on hand 670.8 million pounds of non-cellulosic fiber (except saran and spandex), 1½% less than the 682.5 million pounds on hand as of the end of February. Thus the stock on hand (based on a 22 day shipping month) represented 26 days' supply as compared with 27 days' supply as of the end of February.

For filament yarn, the number of days' supply on hand (based on a 22 day shipping month) as of the end of March was, for nylon industrial yarn, 23 days; low denier industrial 35 days, carpet 27 days, textile 38 days, polyester industrial 20 days; low denier industrial 44 days, textile 23 days, olefin 26 days and the total of these fibers 26 days.

Similarly, for staple+tow, the stock on hand as of March 31 was: nylon 26 days; acrylic+modacrylic 22 days; polyester 24 days; olefin 62 days and total staple +tow 25 days.

However, the stock of cellulosic fiber on hand, as of the end of March, increased 9½% to 51.7 million pounds from the previous month. For acetate yarn, stock on hand represented a 17-day supply and for rayon staple +tow a 29 day supply.

FIRST QUARTER COTTON CONSUMPTION OFF 12%

Consumption of cotton by U.S. mills totaled 625.3 million pounds during the first quarter of 1982, a decline of 12% from the 709.9 million pounds consumed during the January-March 1981 quarter. First quarter 1982 consumption was marginally above the 624.1 million pounds of cotton used by U.S. mills during the fourth quarter of 1981.

MARCH *Organon* CORRECTIONS

In the table on page 44, U.S. mill consumption of cotton and wool in 1981 should read 2,703.8 million pounds and 152.9 million pounds respectively.

IMPORT-EXPORT REVIEW

The principal data sources for this annual article and accompanying tables on U.S. imports and exports of man-made fibers and products are the U.S. Census Bureau and the Department of Agriculture.

Import data are given on pages 68, 69, 70, 71, 72 and 78, while the details of country of origin for selected fiber imports are shown on pages 70, 71 and 72. Additional country-of-origin detail on certain man-made fiber imports was given on page 36 of the recent February *Organon*.

Export data are covered on pages 73, 74, 75 and 78, with pages 74 and 75 detailing certain export items by country of destination.

The map on pages 76 and 77 details the flow of trade in fibers, fabrics and apparel (in million dollars) for 1981. The imports and exports of fibers are from the tables herewith and the fabrics and apparel data are from

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Textile Organon

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An arrangement of authentic market data, especially important to the United States Man Made Fiber industry, published monthly in the interest of good business.

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IMPORTS, EXPORTS & BALANCE

U.S. imports of man made fibers and manufactures totaled 796,356 thousand pounds during 1981, an increase of 25% over the 636,319 thousand pounds imported during 1980.

The 1981 exports of man made fibers and products totaled 2,088,768 thousand pounds, a new record high, ½% more than the 2,079,853 thousand pounds exported during 1980. Reference may be made to the page 78 table.

As is customary in these annual import-export reviews, the foreign trade data of the Census Bureau, which may be reported in units other than pounds (dollars, dozens, yards, etc.), have been converted to their poundage equivalents so as to afford a single, overall annual figure showing the balance of trade. Data of the Department of Agriculture, as published in ***The Cotton and Wool Situation***, are used for this purpose.

As shown in the page 78 table, the 1981 **export** balance was 1,292,412 thousand pounds, a 10% decline from the record **export** balance of 1,443,534 thousand pounds recorded in 1980. Thus, for the ninth consecutive year, the U.S. recorded an export balance in the trade of man made fibers and manufactures. However, the U.S. recorded an **import** balance of 1,345 thousand pounds in the trade of man made fiber products, compared with a 230,901 thousand pound **export** balance the previous year.

THE IMPORT SITUATION

The principal man made fibers imported into the United States prior to 1969 were in the form of raw materials, i.e., filament yarn, staple, etc. Since 1969, imports of man made fiber semimanufactures and manufactures have exceeded these raw materials on a poundage basis except for 1971, when they were about equal. The 1981 figures continue this trend with imports of products being four times the volume of fiber imports.

Man made fiber yarn, monofilaments, staple, tow and waste brought into this country last year totaled 157,280 thousand pounds, an increase of 64% over the 95,675 thousand pounds imported during 1980. Imports of non cellulosic fibers during 1981 totaled 129,279 thousand pounds, 68% more than the 76,728 thousand pounds imported in 1980, while rayon+acetate imports increased 48%, to 28,001 thousand pounds last year.

Imports of man made fiber apparel increased by 15% during 1981, to 436,866 thousand pounds. Thus, apparel represented some 55% of total man made fiber imports in 1981, as compared with 59% in 1980. The table on page 72 details imports of man made apparel (equivalent square yards) by country of origin.

U.S. IMPORTS OF APPAREL

The table on page 72 shows U.S. general imports of man made fiber apparel in millions of equivalent square yards of fabric for the last 5 years.

Asia continues to dominate the apparel import picture for man made fibers, with 89% of the 1981 total coming from that region. Taiwan alone supplied 30% of U.S. imports of man made fiber apparel with the Republic of Korea supplying another 28% of the total. Thus, these two countries supplied over half of the total U.S. imports. Hong Kong and the Philippines together supplied another 17% of U.S. man made fiber apparel imports.

The Americas accounted for 10% of U.S. imports of these products, with the remaining 1% coming from Europe. In 1980, Asia accounted for 87% of these apparel imports, with 12% coming from the Americas and 1% from Europe.

THE EXPORT PICTURE

1981 exports of man made fibers (excluding textile glass) totaled a record 1,451,037 thousand pounds, 11% greater than the 1,308,308 thousand pounds exported during 1980. The dollar volume of 1981 exports was 1,374,980 thousand dollars, or 95 cents/pound on average, as compared with 1,152,689 thousand dollars and 88 cents/pound on average in 1980.

Exports of rayon+acetate yarn+monofilaments last year totaled 24,707 thousand pounds, a decline of 8½% from the 26,930 thousand pounds exported in 1980. Rayon+acetate staple+tow exports during 1981 decreased 13% to 62,160 thousand pounds.

Non cellulosic yarn+monofilament exports during 1981 totaled 463,424 thousand pounds, an increase of 30% from the 355,323 thousand pounds exported in 1980. The bulk of this increase resulted from the doubling of polyester textured yarn exports, from 114,910 thousand pounds in 1980 to 236,152 thousand pounds in 1981. Exports of non cellulosic staple+tow increased 8%, to 790,682 thousand pounds, in 1981.

The page 78 table shows that cellulosic and non cellulosic fiber exported from the United States last year totaled 1,451,037 thousand pounds, 69% of the total exports of fibers and manufactures. In 1980 these figures were 1,307,768 thousand pounds and 63% respectively. Exports of man made fibers increased 11% between 1980 and 1981 while exports of man made fiber products decreased 17%, to 637,731 thousand pounds, during the same time period.

EXPORTS BY COUNTRY OF DESTINATION

A picture of the by-country and regional distribution of the principal man made fiber exports for 1980 and

(Continued on page 69)

U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
RAYON+ACETATE											
YARN - SINGLES											
TEXTURED	[illegible]	k	1757	2040	[illegible]	[illegible]	k	2155	[illegible]	[illegible]	5605
OTHER	[illegible][a]	25588	23025	10607	7580	[illegible]	25248	25208	[illegible]	12222	15745
MONOFILAMENTS	[illegible]	NA	8		[illegible]	4	NA	30	3	3	52
STRIPS & STRAW, ETC.	[illegible]*	72	34	51	[illegible]	55	[illegible]	28	52	11	28
SUBTOTAL ABOVE		25460	25729	14277	8302	10719	25264	27411	17067	13806	16413
STAPLE	[illegible]	53054	37640	14030	7598	14026	24000	17662	8042	5654	10348
GROUPED FILAMENTS	[illegible]	4751	3263	2500	2506	2137	1904	1704	[illegible]	5024	2211
SUBTOTAL ABOVE		57805	41125	16529	10306	16763	25804	19175	11719	10676	12559
WASTE ADVANCED & NOT ADVANCED	[illegible]	3750	403	3615	887	[illegible]	188	116	313	146	231
NON CELLULOSIC FIBERS											
YARNS - SINGLES											
TEXTURED - NYLON	[illegible]	14880	8028	[illegible]	3354	8627	15908	[illegible]	1128	4087	7104
POLYESTER	[illegible]	20310	9808	1068	337	768	23065	[illegible]	[illegible]	780	190
OTHER	[illegible]	5582	297	133	[illegible]	402	1000	787	465	376	1409
OTHER - NYLON	[illegible]	31178	24003	6305	4572	8470	31886	[illegible]	8433	7087	10147
POLYESTER	[illegible]	12698	3270	7775	6672	5441	11122	14609	10291	[illegible]	7082
OTHER	[illegible][b]	2898	3232	3346	1117	1505	3350	2150	2045	3341	8151
MONOFILAMENTS	[illegible][c]	1274	3334	2605	4198	2015	2720	4415	3867	10243	3515
STRIPS, OTHER, ETC.	[illegible]*	298	411	425	229	251	2308	2861	8207	2327	1547
SUBTOTAL ABOVE		92503	52208	20004	19614	18944	93532	60416	33390	30654	33379
STAPLE - NYLON	[illegible]	8266	5994	2504	11086	24570	5457	4794	2435	2805	25067
POLYESTER	[illegible]	3240	7305	8087	3344	10063	1911	4062	2020	1154	4280
ACRYLIC	[illegible]	11334	9482	19467	14290	10469	8720	10678	5829	13033	10179
OLEFIN	[illegible]	21358	91	57	144	1134	11860	44	54	140	1038
OTHER	[illegible]		21211	15766	11574	10886		12111	8098	[illegible]	7794
GROUPED FILAMENTS											
NYLON	[illegible]	800	1023	734	11022	2775	967	1213	324	1394	2625
POLYESTER	[illegible]	524	752	44	120	336	1346	600	36	137	541
ACRYLIC	[illegible]	1109	8417	2030	2048	5434	1034	4515	9010	4331	7181
OTHER	[illegible]		1852	1325	753	2062		1000	1328	1126	2965
SUBTOTAL ABOVE		52943	60486	39519	35568	60517	51594	38849	29454	31941	61283
WASTE, NOT ADVANCED - NYLON	[illegible]	12083	14025	12843	11036	25255	2413	2778	2813	2800	8358
POLYESTER	[illegible]	2500	5344	5333	5030	14121	205	319	473	1004	3040
ACRYLIC	[illegible]	3582	3328	2395	2358	2872	847	803	587	720	1881
OTHER	[illegible]	3203	1497	1508	1905	2891	780	357	463	305	844
NOILS & GARNETTED FIBERS	[illegible]*	20	13	5	4	85	10	14	9	3	54
OTHER WASTE, ADVANCED	[illegible]	3721	1170	384	1125	3586	406	330	318	300	300
TOTAL MAN-MADE FIBER ABOVE		250454	205915	111052	95675	157280	179115	150819	97598	98620	138086
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	[illegible]	NA	25	2	[illegible]	25	NA	78	10	0	41
NON CELLULOSIC	[illegible][d] & [illegible][e]	2619	5454	2196	1578	3885	4400	4528	2555	2141	3774
OTHER - CELLULOSIC	[illegible][f]	562	300	25	37	21	877	549	56	554	108
NON CELLULOSIC	[illegible][g]	203	300	300	380	373	402	354	340	1547	763
SPUN YARN - CELLULOSIC	[illegible][h]	1021	587	585	508	1080	1513	1565	1126	1225	1522
OTHER	[illegible][i]	25579	40820	20860	19887	18081	41275	52780	30821	35113	32005
OTHER YARNS - NES INCL CHENILLE	[illegible]	725	2127	3748	2520	4117	1860	4051	11047	8106	12852
HANDWORK YARNS & SEWING THREAD	[illegible]	5520	2404	2561	2260	2707	8171	7408	8547	7735	10681
SLIVER, TOPS & ROVING	[illegible]	4051	7422	10455	2708	5022	2842	3758	3584	2054	2801
TEXTILE GLASS FIBER	[illegible][j]	21075	21844	10353	7380	18212	8802	10415	6124	7455	12014
GRAND TOTAL ABOVE		311105	285424	157575	132072	209090	237426	237472	163183	161257	218145

SOURCE: U.S. Census Bureau.

NES - Not elsewhere specified.

NA - Not available.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

k. Included in Other Textured below.

U.S. IMPORTS OF SELECTED MAN-MADE FIBER MANUFACTURES

ITEM	COMMODITY NUMBER AS OF 1/1/81	THOUSAND POUNDS 1977	1978	1979	1980	1981	THOUSAND DOLLARS 1977	1978	1979	1980	1981
KNIT FABRIC IN THE PIECE											
RAYON & ACETATE		401	156	411	175	318	1780	862	1557	1100	1000
ACRYLIC	345.5011 – 3457?	298	168	80	167	127	1436	880	581	974	725
NYLON	INCLUSIVE	560	775	455	310	540	3776	4176	2406	1844	2208
POLYESTER		6201	5657	2515	1548	1066	20657	22816	11029	7714	5171
OTHER MAN-MADE FIBER		736	915	248	396	242	1511	4216	3475	2266	2059
TOTAL KNIT FABRICS		**8196**	**7671**	**3709**	**2596**	**2099**	**29160**	**32950**	**19058**	**13898**	**11163**
BROAD WOVEN FABRICS											
MAN-MADE FIBER FABRICS CONTAINING MORE THAN 17% WOOL	338.3040 – 3060										
RAYON OR ACETATE		14000	278	12	42	28	61822	862	56	394	184
NYLON			81	151	140	88		996	1592	1401	785
POLYESTER			16495	10198	10589	22170		118351	105224	71725	91706
OTHER MAN-MADE FIBER			11024	10586	12067	10554		29885	82510	67802	54251
OTHER WOVEN FABRICS IN THE PIECE EXCEPT PILE FABRICS	338.2500 – 3069ª INCLUSIVE										
ACETATE		372	708	555	555	115ª	8057	5605	4115	4065	1517
RAYON – 100% FILAMENT YARN		5561	5231	2256	2597	1552ª	10801	14098	14228	15620	9102
OTHER MAINLY 100% YARN		3206	1261	1065	2880		4822	7306	12074	15790	
RAYON OR ACETATE						1557					11559
RAYON & ACETATE						2880					19825
ACRYLIC		1768	1445	616	508	257ª	5585	5000	5548	5044	1054
NYLON		8548	8856	2408	1288	501ª	10088	15000	11920	7619	4450
POLYESTER		45745	40802	28675	30424	45870ª	159481	237767	206488	212548	318205
TEXTILE GLASS FIBER		1088	1489	2055	1909	1807	1445	2520	4045	4102	6010
OTHER MAN-MADE FIBER		1818	2550	1166	1886	3542ª	7628	9672	6212	7389	35425
VELVETS	346.8010 – 3069	5080	2130	1408	1045	757	15702	7325	5041	4651	3515
OTHER PILE FABRICS			1900	1227	914	671		9708	8940	7226	4555
TIRE FABRIC	357.8000	2044	97	97	46	278	5714	118	220	94	514
TOTAL BROAD WOVEN FABRICS		**67922**	**87027**	**68745**	**72137**	**99756**	**284723**	**408759**	**368207**	**404098**	**561369**

a. Beginning in 1981, commodity numbers 338.3000 – 3069 were revised. Therefore, the 1981 data are not comparable with those of previous years.

(Continued from page 67)

1981 is detailed by the table on pages 74 and 75. It should be noted that in 1981 the People's Republic of China was the largest importer of U.S. man-made fibers (47% of the total) followed by Canada (8½%), Belgium-Luxembourg (4½%), Hong Kong (3½%), the Republic of South Africa (3½%) and Taiwan (3%).

The biggest change has been the importance of Asia and Oceania, particularly the People's Republic of China, as a market for U.S. man-made fibers. In 1981, this region accounted for 65% of all U.S. exports, up from 48% in 1980. In fact exports to all other areas of the world declined between 1981 and 1980. (See text table below.)

U.S. EXPORTS TO:	**1980**	**1981**	**% Change**
NORTH AMERICA	187,277	179,088	–4%
SOUTH AMERICA	98,408	83,831	–15%
EUROPE	254,245	151,848	–40%
ASIA & OCEANIA	571,654	865,581	+51%
AFRICA	74,219	60,630	–18%
WORLD TOTAL	**1,185,798**	**1,340,973**	**+13%**

Exports of rayon+acetate yarn, monofil and strips decreased by 2,223 thousand pounds during 1981. According to Census data, Belgium-Luxembourg was the largest customer of these products, taking 10,786 thousand pounds last year. However, the official Belgium-Luxembourg data show imports of rayon+acetate yarn from the United States as being only a small fraction of this total. In view of this, it must be assumed that Belgium-Luxembourg was largely a sales or billing address and/or port of entry for a majority of the poundage reported as being exported there. Following Belgium-Luxembourg as the main importers of rayon+acetate yarn were the People's Republic of China, Canada, Australia and the U.S.S.R., all taking over a million pounds.

Cellulosic staple+tow exports (excluding cigarette tow) decreased 13% to a level of 62,160 thousand pounds. Venezuela, with 10,555 thousand pounds, was the largest customer of the United States, followed by Mexico, the Republic of Korea and the Philippines.

Non-cellulosic textile yarn exports increased by 128,586 thousand pounds between 1980 and 1981. The most significant increases were to the People's Republic of China (up three-fold to 151,230 thousand pounds), Hong Kong (a forty-fold increase to 32,705 thousand pounds) and India (a five-fold increase to 20,927 thousand pounds). It must be assumed, in light of past export trends, that most of the increased imports of non-cellu

(Continued on page 72)

SELECTED U.S. MAN-MADE FIBER & MANUFACTURES IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

IMPORTS OF MAN-MADE BROAD WOVEN FABRICS

COUNTRY	1977	1978	1979	1980	1981
AUSTRIA	174	191	178	153	190
BELGIUM	2002	1497	813	550	558
FRANCE	2812	3364	3067	2565	1031
GERMANY, FEDERAL REP. OF	1408	1751	1465	1300	2266
HUNGARY		5	233	124	28
IRELAND	103	33	14	120	2591
ITALY	10554	24036	25615	27870	36656
NETHERLANDS	139	211	176	127	105
POLAND	272	237	410	120	235
PORTUGAL	160	458	306	137	40
ROMANIA	614	593	241	47	25
SPAIN	1033	806	437	156	365
SWEDEN	106	218	379	308	576
SWITZERLAND	848	1083	882	962	1050
UNITED KINGDOM	1254	2070	1168	587	521
YUGOSLAVIA	409	357	379	503	408
OTHER EUROPE	22	44	79	92	41
TOTAL EUROPE ABOVE	**21944**	**37567**	**36043**	**35168**	**46508**
CHINA, PEOPLE'S REP. OF	4	5	40	258	1509
HONG KONG	61	250	328	140	102
INDIA	830	640	203	312	417
JAPAN	38300	40285	23796	23070	32588
KOREA, REPUBLIC OF	2762	4151	3625	9160	11591
MALAYSIA	321	101	105	425	541
SINGAPORE	15	119	518	109	548
TAIWAN	351	524	392	788	1041
THAILAND	520	471	391	772	1471
BRAZIL	551	1002	727	832	1373
CANADA	1883	2015	1123	1824	2099
ALL OTHER	286	319	423	44	105
TOTAL EXCLUDING EUROPE	**45978**	**49460**	**32702**	**36969**	**53248**
GRAND TOTAL	**67922**	**87027**	**68745**	**72137**	**99756**

IMPORTS OF MAN-MADE KNIT FABRIC IN THE PIECE

COUNTRY	1977	1978	1979	1980	1981
FRANCE	150	159	160	140	145
GERMANY, FEDERAL REP. OF	269	408	522	417	290
IRELAND	1101	1190	97	1	
ITALY	450	397	288	182	158
SWEDEN	2	8	17	47	78
UNITED KINGDOM	414	387	302	94	73
OTHER EUROPE	78	80	90	66	51
TOTAL EUROPE ABOVE	**2464**	**2635**	**1476**	**956**	**784**
HONG KONG	74	85	87	8	1
JAPAN	5193	4540	2060	1412	950
KOREA, REPUBLIC OF	228	79	1	2	
SINGAPORE	119	7	0	0	
TAIWAN	26	42	17	54	56
CANADA	78	274	53	118	101
COSTA RICA	0	0	0	0	77
MEXICO	2	1	4	38	57
ALL OTHER	12	2	11	8	5
TOTAL EXCLUDING EUROPE	**5732**	**5036**	**2233**	**1640**	**1315**
GRAND TOTAL	**8196**	**7671**	**3709**	**2596**	**2099**

NOTE: Imports of man-made fiber apparel by country of origin are shown on page 72.

IMPORTS OF MAN-MADE FIBERS

COUNTRY	1977	1978	1979	1980	1981
AUSTRIA	28035	12918	5623	1438	4951
BELGIUM	7041	1836	307	52	2033
CZECHOSLOVAKIA	0	525	0	0	0
DENMARK	58	44	2	2	234
FINLAND	2001	5280	309	130	119
FRANCE	22924	17854	2631	1477	9526
GERMAN DEMOCRATIC REP.	277	270	0	0	0
GERMANY, FEDERAL REP. OF	49204	31599	20315	17049	33850
GREECE	103	524	90	30	379
IRELAND	232	1057	544	182	430
ITALY	23035	17508	5017	2168	11694
MALTA	0	95	102	105	0
NETHERLANDS	15481	12509	2180	2955	8058
POLAND	1049	404	120	65	414
PORTUGAL	17	14	488	108	161
ROMANIA	3193	5142	3534	1810	2174
SPAIN	1088	3528	724	240	764
SWEDEN	4729	9100	5011	2963	2724
SWITZERLAND	5128	1211	295	438	479
UNITED KINGDOM	20310	30590	21156	11886	12392
YUGOSLAVIA	183	0	22	44	21
OTHER EUROPE	0	0	0	0	1
TOTAL EUROPE ABOVE	**172344**	**151664**	**69933**	**43802**	**91004**
AUSTRALIA	481	10	177	488	1628
CHINA, PEOPLE'S REP. OF	0	0	0	35	708
EGYPT	0	0	0	2	333
HONG KONG	155	35	75	15	172
INDIA	284	0	103	85	0
INDONESIA	0	0	129	0	505
IRAN	0	2842	282	0	0
ISRAEL	1581	807	1279	1373	1071
JAPAN	77912	60110	34054	27641	31453
KOREA, REPUBLIC OF	200	1353	1411	767	830
MALAYSIA	61	54	1108	309	818
NEW ZEALAND	0	0	19	121	160
PHILIPPINES	1720	1582	1064	2456	2451
SINGAPORE	879	1010	648	961	1221
SOUTH AFRICA	1813	3474	1716	1880	1410
TAIWAN	12780	14880	12810	14076	9556
THAILAND	0	0	125	605	342
ARGENTINA	1	0	58	511	41
BRAZIL	522	1270	380	28	41
CANADA	20629	24611	10210	22868	35120
COSTA RICA	0	164	37	5	106
MEXICO	3505	3817	2651	5490	19443
PERU	226	197	85	0	0
VENEZUELA	1168	244	487	1295	40
ALL OTHER	70	33	23	115	112
TOTAL OTHER ABOVE	**130065**	**121847**	**74880**	**80982**	**107550**
TOTAL ABOVE	**302409**	**273511**	**144813**	**124784**	**198554**
PRODUCTS NOT DETAILED	8696	11913	12762	7288	10536
GRAND TOTAL	**311105**	**285424**	**157575**	**132072**	**209090**

The three section totals on this page agree with the corresponding data on pages 68 and 69 of this issue.

The by-country data in the "Imports of Man-Made Fiber" table above include singles, monofilaments & strips (see page 36 of the February 1982 and the corresponding pages of earlier February *Organon* issues), plied filament yarn, staple, grouped filaments, waste, spun yarns and textile glass fiber. The "products not detailed" in the above table comprise handwork yarns & sewing thread, other yarns, NES and sliver, tops & roving.

U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL

MILLIONS OF EQUIVALENT SQUARE YARDS

COUNTRY	1977	1978	1979	1980	1981
CHINA, PEOPLE'S REPUBLIC OF	7	18	37	47	[illegible]
HONG KONG	191	250	210	207	228
INDIA	3	5	4	5	4
INDONESIA	1	1	2	2	2
ISRAEL	11	15	10	9	5
JAPAN	133	110	52	43	55
KOREA, REPUBLIC OF	400	418	377	443	510
MACAU	10	25	25	17	22
MALAYSIA	1	3	3	6	5
PHILIPPINES	98	110	112	105	105
SINGAPORE	28	50	40	50	42
SRI LANKA		3	6	7	10
TAIWAN	402	540	480	530	580
THAILAND	15	34	29	22	25
OTHER A, A & O	1	1	1	1	2
TOTAL A, A & O	**1367**	**1592**	**1397**	**1549**	**1705**
BARBADOS	5	11	9	6	6
BELIZE	6	4	5	9	2
CANADA	2	2	2	2	2
COLOMBIA	11	7	7	5	5
COSTA RICA	10	12	10	17	18
DOMINICAN REPUBLIC	15	26	32	34	33
EL SALVADOR	11	12	11	8	2
GUYANA	2	2	2	3	4
HAITI	54	45	47	40	40
HONDURAS	2	2	4	4	7
JAMAICA	5	2	4	4	4
LEEWARD & WINDWARD IS.			4	4	7
MEXICO	72	70	60	72	64
NICARAGUA	1	3	2	1	
OTHER AMERICAS	6	4	2	4	[illegible]
TOTAL AMERICAS	**174**	**205**	**206**	**212**	**192**
FRANCE	4	7	4	2	2
GERMANY, FED. REP. OF	2	1	1		
ITALY	26	29	15	9	7
POLAND	14	14	9	7	4
PORTUGAL	1	1	1	1	1
ROMANIA	12	15	10	6	10
SPAIN	4	6	2	1	1
UNITED KINGDOM	2	4	3	1	1
YUGOSLAVIA	1	1	2		
OTHER EUROPE	2	2	3	1	1
TOTAL EUROPE	**67**	**69**	**50**	**26**	**27**
GRAND TOTAL	**1608**	**1866**	**1653**	**1787**	**1924**

SOURCE: *U.S. Census Bureau Report TQ 2310*
Data for each country represent the total of groupings 630 through 659

(Continued from page 69)

losic textile yarn into Hong Kong will ultimately end up in the People's Republic of China. 1981 exports of noncellulosic industrial yarn, monofilaments and strips decreased 16%, to 106,905 thousand pounds.

Exports of non-cellulosic staple+tow, at 790,681 thousand pounds, increased 8% from the 1980 figure. Exports to the People's Republic of China, at 465,061 thousand pounds, accounted for 59% of total U.S. exports in this category. The next most important customer was Canada, importing 76,689 thousand pounds, followed by Taiwan (36,412 thousand pounds) and the Republic of South Africa (35,699 thousand pounds).

U.S. TRADE IN TEXTILES

The map on pages 76-77 depicts the flow of fibers, textiles and apparel between the United States and its major trading areas. The data are in millions of dollars.

U.S. Department of Commerce data on the trade in textiles and apparel were added to the trade in raw materials (staple fiber) to give the totals by geographic area shown on pages 76-77.

WORLD TEXTILE TRADE STATISTICS

Based on the February 1982 United Nations ***Monthly Bulletin of Statistics***, the tables on pages 80 and 81 exhibit the world trade of the United States, Europe and Japan in clothing and textile fibers, yarn and fabrics. In each case, the 1980 world total for each of the exporters was increased to new record highs.

The United States increased its world trade of textile fibers by 29%, to $3,936 million; of textile yarn and fabrics by 14%, to $3,625 million; and of clothing by 27%, to $1,219 million. The highlights of U.S. trade were: a) in textile fibers, a 25% increase in trade to Europe, from $573 million in 1979, to $715 million in 1980; b) in textile yarn and fabrics, trade to Asia rose by 294%, from $34 million in 1979, to $134 million in 1980; and c) in clothing, trade to Europe increased to $413 million in 1980, up 40% from the 1979 level of $296 million.

European trade in textile fibers rose by 7½%, to $4,182 million; textile yarn and fabrics increased by 7½%, to $29,053 million; and, in clothing, rose by 14%, to $18,275 million. The European nations' trade is primarily amongst themselves. In fact, in textile fibers, of its 1980 world total, inter-European trade accounts for 71%, or $2,987 million. Similarly, the inter-European textile yarn and fabrics trade is $22,012 million, 76% of the 1980 world total; in clothing, 84%, or $15,401 million, of the total European trade is conducted within the European community.

Trade for Japan in textile fibers registered a rise of 25%, to $702 million; in textile yarn and fabrics by 28%, to $5,102 million; and in clothing by 42%, to $500 million. Japan made gains in textile fibers, with trade to noncentrally planned countries in Asia increasing 165% for 1980, to $172 million, from the 1979 level of $65 million. In like fashion, trade to the same Asian countries in textile yarn and fabrics rose to $277 million, 94% more than the 1979 total of $143 million. For clothing, trade to Asia and Oceania rose 60% in 1980, from the 1979 figure of $77 million, to $123 million.

BROAD WOVEN GOODS PRODUCTION

During 1981, U.S. broad weaving mills produced 15,866.2 million square yards, 1% above the 15,698.9 million square yards produced in 1980. The 1981 broad

U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
RAYON-ACETATE											
FILAMENT YARN[a]											
ACETATE TEXTURED	310.0000	24741	1940	3450	2585	357	22080	2228	4564	3574	594
OTHER			17027[b]	26770[b]	24130[b]	23914[b]		15339	24886	28135	27329
RAYON HIGH TENACITY	310.0020	2000					3070				
OTHER		2948					2907				
MONOFILAMENTS	309.0110	f	1413	521	149	90	f	1579	645	345	212
STRIPS	309.2210		351	45	66	340		308	58	61	273
SUBTOTAL ABOVE		**30385**	**20737**	**30790**	**26930**	**24707**	**29056**	**19454**	**30153**	**32114**	**28408**
STAPLE+TOW RAYON	309.4222	56719	80453	96844	64817	55156	31106	39534	55706	44031	39032
STAPLE ACETATE	309.4210	948	6451	9663	6255	7004	591	4783	7433	6145	4323
SUBTOTAL ABOVE		**57667**	**86904**	**106507**	**71072**	**62160**	**31697**	**44317**	**63139**	**50176**	**43355**
WASTE ADVANCED & NOT ADVANCED	309.7400	12580	6975	9551	6000	2799	3713	2312	3684	2872	1358
NON-CELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON TEXTURED	310.0008 & .0009	29539	21392	44797	53773	69000	32204	28904	63662	72940	107096
HIGH TENACITY	310.0027	43790	31708[c]	40287[c]	57804[c]	57400[c]	43272	27057	43503	63037	72569
OTHER	310.0029	27144	11269	21223	24967	19424	39220	17282	31528	42082	37980
POLYESTER TEXTURED	310.0010	15595	29469	85579	114910	236152	19033	34340	105864	141835	286022
HIGH TENACITY	310.0052	35058	6187[c]	22407[c]	23262[c]	23440[c]	33752	6276	24507	27660	31474
OTHER	310.0054		6780[d]	8610[d]	7403[d]	11750[d]		6714	9391	8795	13226
OTHER TEXTURED	310.0014	7374	3671	9993	19005	11751	8201	5043	12163	23056	15085
OLEFIN	310.0040	7864	2747	1000	2520	2603	20745	2924	1998	2909	3312
OTHER	310.0041		4384	5050	5205	5241		12097	17181	18734	21738
MONOFILAMENTS LESS THAN 60 DENIER		INCL. IN FILAMENT YARN ABOVE					INCL. IN FILAMENT YARN ABOVE				
MONOFILAMENTS 60 DENIER & OVER											
NYLON		1337					3619				
OTHER		14558					20248				
MONOFILAMENTS ALL DENIERS											
NYLON	309.0120		10566	14910	15307	7780		25173	30001	30834	20698
POLYESTER	309.0140		32942[e]	21349[e]	18985[e]	7163[e]		32013	24923	21987	11903
OTHER	309.0170		6209	5927	8665	6560		15875	18693	28813	23244
STRIPS	309.2220 & .2270		1033	2088	3427	4555		2493	4566	5181	6635
SUBTOTAL ABOVE		**182259**	**174417**	**290822**	**355323**	**463424**	**227194**	**216191**	**387980**	**488551**	**650982**
STAPLE NYLON	309.4240	23300	26221	33857	29306	27550	17302	21834	29779	30141	33825
POLYESTER	309.4242	118940	218674	307246	447290	522081	53734	97225	165284	285737	361110
ACRYLIC	309.4245	74288	109139	181112	145172	156061	44288	65489	109404	103264	114359
OLEFIN	309.4246	6859	1873	6910	3275	1758	9586	1245	6304	2371	1491
OTHER	309.4247		9672	16749	17751	18033		10141	19391	25654	31381
GROUPED FILAMENTS											
NYLON	309.3220	40	6239	10614	7282	4561	66	8333	13816	11747	9625
POLYESTER	309.3240	6449	37790[d]	78566[d]	54880[d]	26777[d]	4290	26537	69067	50247	28444
ACRYLIC	309.3250 & .3255	12314	19338	23281	27517	32655	10188	14758	18389	20408	25940
OTHER		125					407				
SUBTOTAL ABOVE		**242475**	**428946**	**658335**	**742473**	**790682**	**139861**	**243562**	**431434**	**529569**	**606175**
WASTE ADVANCED & NOT ADVANCED											
NYLON	309.7620	66090	11232	18034	14520	13938	15406	4897	7514	9050	8903
POLYESTER	309.7630		48917	77424	61153	54117		12726	32029	25592	20814
ACRYLIC	309.7640		3793	4807	2352	4795		1142	1223	801	1552
OTHER	309.7660		24717	37478	38395	34415		6889	11950	13965	13433
TOTAL MAN-MADE FIBER ABOVE		**591356**	**806638**	**1233748**	**1308308**	**1451037**	**446927**	**551490**	**969106**	**1152689**	**1374980**
TEXTILE GLASS FIBER	309.2700 & .2750	29204	29230	47494	54407	38934	20779	23498	38867	54269	41642
GRAND TOTAL ABOVE		**620560**	**835868**	**1281242**	**1362715**	**1489971**	**467706**	**574988**	**1007973**	**1206958**	**1416622**

SOURCE: U.S. Census Bureau

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of non-cellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. This figure is an obvious misclassification. Most of this poundage should be included in filament yarn.

f. Included in filament yarn above.

woven fabrics total breaks down (with the percentage change from 1980 in parentheses) as: cotton 3,957.1 million square yards (–13%); woolen & worsted 193.3 million square yards (+2%) and man-made fiber 11,715.8 million square yards (+7%).

Cotton broad woven fabric production during 1981 totaled 3,957.1 million square yards, 13% less than the

(Continued on page 80)

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NON-CELLULOSIC TEXTILE YARN				C. NON-CELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NON-CELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
CANADA	3190	2156	3090	2971	22343	26111	47406	48015	9380	7506	16180	14974	3028	4028	2972	1307	76705	70689	60293	68477
COSTA RICA	53	15	54	25	1795	1900	2526	2814	495	259	1479	753	549	47	247	37	4209	5010	2514	4094
DOMINICAN REP	123	27	114	34	2502	1373	3321	1855	1079	80	1419	140	153	90	97	60	768	470	827	518
EL SALVADOR	202	147	304	220	2176	2845	3173	5100	316	358	754	821	557	481	354	317	7774	9613	6863	7975
GUATEMALA	578	313	744	500	2008	3374	3537	4444	1050	718	1957	1094	275	122	193	84	7384	5342	5159	4420
HAITI	39	11	56	8	609	647	743	1030	34	22	82	33	0	10	0	9	11	15	10	10
HONDURAS	0	50	0	45	1538	1131	1715	1009	18	24	40	69	913	1141	617	819	209	674	180	605
JAMAICA	32	6	41	6	453	517	922	1124	6	1	13	5	0	0	0	0		154	5	160
LEEWARD & WINDWARD IS	0	0	0	0	19	60	25	118	21	20	60	54	0	40	0	25	25	0	17	0
MEXICO	55	144	177	144	4521	2364	5855	4190	2270	2166	5874	5800	9050	8016	6030	6080	14388	9744	11818	9809
NICARAGUA	0	0	0	0	44	8	78	20	7	3	22	14	157	40	152	47	1734	964	1285	777
PANAMA	33	10	60	16	200	195	349	524	63	63	170	181	20	20	41	26	109	220	178	308
TRINIDAD	1	0	1	0	50	11	188	22	3	8	17	32	3	4	12	3	48	13	135	40
OTHER	0	0	0	0	16	9	40	30	115	40	184	84	12	36	9	29	5	10	8	67
NORTH AMERICA	**4375**	**2865**	**4541**	**3969**	**39174**	**40545**	**59878**	**70826**	**15484**	**11279**	**28251**	**24069**	**15615**	**15581**	**10724**	**9752**	**112629**	**108818**	**89290**	**97026**
ARGENTINA	227	161	335	200	3082	4442	5401	4034	927	1008	1074	1381	1314	1217	1140	1033	9467	9444	7200	7874
BOLIVIA	0	53	0	48	344	155	508	347	4	2	13	13	405	115	315	91	2561	1215	2102	1050
BRAZIL	788	9	1103	9	2957	1153	5880	1717	2878	4558	6403	9225	416	2	323	2	9020	8087	6570	6551
CHILE	200	174	277	251	1373	1069	2093	2311	249	219	626	695	264	1546	208	1294	4052	4392	3076	3678
COLOMBIA	170	4	102	6	1745	421	2368	729	748	1792	2881	4577	2832	1779	1080	1137	7454	5538	4043	5054
ECUADOR	421	401	570	881	1906	1080	2024	2784	968	985	1143	1052	1030	704	1340	507	8495	7530	5865	5034
GUYANA	0	0	0	0	135	20	350	60	0		0	1	0	0	0	0	43		90	1
PARAGUAY	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	170	105	147	158
PERU	40	1	70	1	4252	4089	5597	5155	681	372	1039	649	788	839	507	644	2588	2518	2200	2111
URUGUAY	23	21	54	52	204	84	327	218	108	52	202	125	1519	186	1186	152	2342	859	1983	673
VENEZUELA	353	31	503	55	3036	4745	5106	7350	1902	1205	3824	2402	10871	10555	8119	8287	1731	541	1427	712
OTHER	0	0	0	0	3	2	6	5	0	1	0	4	0	0	0	0	30		0	1
SOUTH AMERICA	**2134**	**835**	**3054**	**1503**	**19637**	**16166**	**30713**	**25316**	**8464**	**9594**	**17805**	**20124**	**20339**	**16937**	**14838**	**13147**	**47829**	**40299**	**35732**	**33463**
BELGIUM-LUX	8529	10786	7201	8339	22419	10800	34169	31524	21280	17871	32418	20256	130	339	193	154	21190	10807	26585	24540
DENMARK		1	1	1	404	284	512	343	142	239	166	229	24	2	30	5	12050	8086	11118	7675
FRANCE	34	40	26	110	2019	1365	3648	2029	1064	822	2421	1574	371	172	396	218	1877	1121	1618	1180
GERMANY, FED REP OF	30	520	139	643	3264	1422	4079	2805	4362	2277	6304	4328	976	169	842	225	8390	958	6347	935
GREECE	19	33	78	143	13	96	18	112	228	128	500	409	82	0	75	0	1050	399	1200	554
IRELAND	0	2	16	4	6011	8404	8600	12423	330	438	409	628	2	7	2	15	813	642	804	1173
ITALY	107	1	118	2	2622	1870	3932	2333	1233	590	1552	1077	190	91	270	155	10888	1392	8029	1024
NETHERLANDS	5	1	9	2	1279	231	1639	248	781	255	879	245	276	66	316	137	7803	1883	5946	2005
UNITED KINGDOM	48	130	48	189	23758	9159	42930	17116	5659	6937	9142	8053	306	288	398	339	17872	4467	10000	5787
AUSTRIA	0	1	0	5	964	139	811	204	164	17	359	90	0	123	7	183	1	2	4	2
CZECHOSLOVAKIA	125	152	504	308	1	0	15	0	105	2	602	10	0	0	0	0	0	0	0	0
FINLAND	831	0	980	0	1937	2825	2850	1848	739	16	1080	40	40	2	38	3	2424	1504	2066	1122
GERMAN DEM REP	0	0	0	0	11	35	30	95	245	0	426	0	9	0	15	0	39	535	40	535
HUNGARY	0	0	0	0	0	536	0	422	0	0	0	0	0	0	0	0	0	0	0	0
ICELAND	4	1	12	3	104	0	100	0	90	0	87	0	0	0	0	0	4	80	5	85
NORWAY	0	0	0	0	1353	743	1076	980	30	3	15	14	71	39	76	47	573	383	505	554
POLAND	485	55	761	85	965	31	1487	60	4179	218	3048	161	0	0	0	0	5873	420	3016	210
PORTUGAL	0	2	0	7	232	76	389	124	89	5	188	26	20	0	32	0	915	214	824	205
ROMANIA	0	0	0	0	0	0	0	0	0		0	15	0	0	0	0	500	0	620	0
SPAIN	2	74	2	17	1310	655	1570	791	2045	1005	2672	1100	85	23	74	30	5683	1297	4081	1202
SWEDEN	6	4	50	10	617	97	815	171	1810	888	1884	1040	106	53	79	89	3015	1110	2938	1079
SWITZERLAND	97	4	67	9	1071	1160	1442	1865	32	23	107	145	160	9	45	15	1955	1870	1718	2222
TURKEY	0	0	0	0	1	1041	3	1373	15918	11588	16483	13330	0	0	0	0	1334		915	4
USSR	1476	1342	2153	1833	578	0	896	0	0	1	0	3	95	0	120	0	2313	0	2000	0
YUGOSLAVIA	0	0	0	0	0	1353	0	1187	1422	714	1658	1207	0	0	0	0	674	1483	503	920
OTHER	0	0	0	0	3	0	1	0		24	1	29	0	0	0	0	0	0	0	0
EUROPE	**11776**	**13155**	**12145**	**12006**	**71554**	**48689**	**101348**	**78177**	**61886**	**44059**	**82711**	**63081**	**3055**	**1374**	**3014**	**1632**	**105974**	**44566**	**97884**	**53089**

See footnotes below

SELECTED U.S. MAN-MADE FIBER IMPORTS BY COUNTRY OF ORIGIN[a]

THOUSAND POUNDS

COUNTRY	A. NON-CELLULOSIC STAPLE+TOW								B. NON-CELLULOSIC YARN - SINGLES						C. WASTE				D. SPUN YARNS				E. TEXTILE GLASS	
	NYLON		POLYESTER		ACRYLIC		OTHER		NYLON		POLYESTER		OTHER		RAYON		NON-CELL.		RAYON		NON-CELL.			
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
AUSTRIA	0	0	0		0	0	0	44	0	21	0	0	0	116	0	0	0	0	0	0	0	0	0	0
BELGIUM-LUX.	0	857	2		1		2	45	0	1	10	5	25	127	0	0	0	1306	0	0	5	14	0	0
DENMARK	0	0	0	0	0	0	0	8	0	0	0	80	0	0	0	0	0	150	0	0	0	0	0	0
FINLAND	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	128	119	0	0
FRANCE	26	3904	11	405	1	20	12	0	414	1636	353	154	8	45	42	0	0	1024	0		600	574	28	1407
GERMANY, FED. REP. OF	1048	8539	70	185	8499	7071	636	1424	228	1178	1844	2016	381	349	0	44	2664	5925	0	7	36	47	209	1073
GREECE	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	218	0	0	0	0	0	0
IRELAND	0	0	0	0	87	246	0	14	65	0	10	54	19	1	0	0	0	0	0	0	0	0	0	0
ITALY	665	7021	256	71	161	10	157	335	105	900	109	274	5	50	0	0	400	1378		0	254	803	14	234
MALTA	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	105	0	0	0	0	0	0	0
NETHERLANDS	10	280	1	78	0	40	0	55	1	47	29	119	120	5	0	0	717	4999	0	0		0	8	0
PORTUGAL	0	15	0	0	0	0	0	5	0	0	0	0	0	0	0	0	71	154	0	0	—	0	0	0
SPAIN			0	0	4	8	48	0		0	66	342	2	0	0	0	0	0	0	0	20	116	0	42
SWEDEN	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				3
SWITZERLAND	7	51	1	5	0	0	0	15	6	120	0	0	4	19	0	0	130	105	0	0	205	70	0	0
UNITED KINGDOM	38	1365	24	297	1908	2264	321	1221	482	174	2	1	102	149	265	452	813	1007	31	0	1777	62	2771	2727
TOTAL W. EUROPE	**1802**	**22017**	**365**	**1032**	**10601**	**10515**	**1176**	**3022**	**1299**	**4083**	**2432**	**3605**	**683**	**859**	**307**	**496**	**4900**	**15906**	**31**	**7**	**2935**	**1695**	**3030**	**5486**
POLAND	0	0	0	106	0	0	66	33	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0
ROMANIA	0	0	558	628	0	56	0	0	0	0	0	0	0	0	0	0	40	41	0	0	1211	1450	0	0
TOTAL EUROPE	**1802**	**22017**	**923**	**1826**	**10601**	**10571**	**1242**	**3055**	**1299**	**4083**	**2432**	**3605**	**683**	**859**	**307**	**496**	**4940**	**16161**	**31**	**7**	**4146**	**3145**	**3030**	**5486**
AUSTRALIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	487	1027	0	0		0	0	0
CHINA, PEOPLE'S REP. OF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	687	0	0	0	21	0	0
EGYPT	0	0	0	555	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HONG KONG	2	12	1	0	1	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	11	150	0	0
INDIA	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	505	0	0
ISRAEL	0	0	0	20	11	5	0	0	50		8	10	0	0	0	0	1185	970	0	0	109	48	0	1
JAPAN	534	180	102	52	3897	3237	1480	1246	2730	2193	4469	1903	657	657	0	0	722	947	291	651	4115	4372	3714	12357
KOREA, REP. OF	0	50	0	1	0	0	0	1		0	0	0	0	74	0	0	0	0	0	0	654	521	0	0
MALAYSIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309	818	0	0
MAURITANIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
NAMIBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
NEW ZEALAND	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	121	100	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2450	2451	0	0
SINGAPORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	961	1221	0	0
SOUTH AFRICA	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	529	---	0	0	1351	610	0	0
SRI LANKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0
TAIWAN	0	0	111	258	-	1	12328	7104	--	0	0		0		0	0	0	298	0	0	899	411	0	74
THAILAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	603	342	0	0
TOTAL A, A & O	**576**	**245**	**214**	**670**	**3909**	**3243**	**13808**	**8354**	**2866**	**2193**	**4477**	**1913**	**657**	**711**	**0**	**0**	**3079**	**5550**	**291**	**651**	**11508**	**11458**	**3715**	**12432**
ARGENTINA	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	41	0	0	0	0	0	0
BRAZIL	0	0	0	1	0	0	0	18	0	0	1	0	0	0	0	0	0	0	0	0	0	21	0	0
CANADA	316	3058	331	1051	1392	85	421	2455	2560	1489	98	496	234	428	32	24	10026	16244	186	1	2628	3104	605	294
COLOMBIA	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	4	0	0	0
COSTA RICA	0	0	2	40	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	4	0	0	0
GUATEMALA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
MEXICO	26	432	3	3396	2	0	0	0	1	39	1	135	38	89	0	0	2205	11792	0	0	1097	867	0	0
VENEZUELA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1295	39	0	0	0	0	0	0
TOTAL AMERICAS	**342**	**3490**	**336**	**4488**	**1394**	**85**	**421**	**2473**	**2561**	**1528**	**100**	**691**	**272**	**517**	**32**	**24**	**13526**	**28116**	**186**	**1**	**3733**	**3995**	**605**	**294**
GRAND TOTAL	**2720**	**25752**	**1473**	**6984**	**15904**	**13899**	**15471**	**13882**	**6726**	**7804**	**7009**	**6209**	**1612**	**2087**	**339**	**520**	**21545**	**49827**	**508**	**659**	**19387**	**18598**	**7350**	**18212**

SOURCE: U.S. Census Bureau

[a] See February *Organon*, page 36, for other 1980 & 1981 U.S. man made fiber imports by country of origin.

A. Nylon 309.3030, 3130 & 4338; Polyester 309.3040, 3140 & 4342; Acrylic 309.3050, 3150 & 4345; Other 309.3065, 3165, 4346 & 4355.

B. Nylon 310.0109, 0149, 0209 & 0249; Polyester 310.0110, 0150, 0210 & 0250; Other 310.0114, 0170, 0214, 0270, 0530, 0550, 0630 & 0650.

C. Rayon 309.6615 & 7510; Non Cellulosic 309.6600, 6625, 6630, 6645, 6660, 7000, 7525, 7530, 7540 & 7555.

D. Rayon 310.4005, 4030, 5005 & 5030; Non Cellulosic 310.4015, 4027, 4046, 4047, 4050, 5015, 5046, 5047, 5049 & 5051.

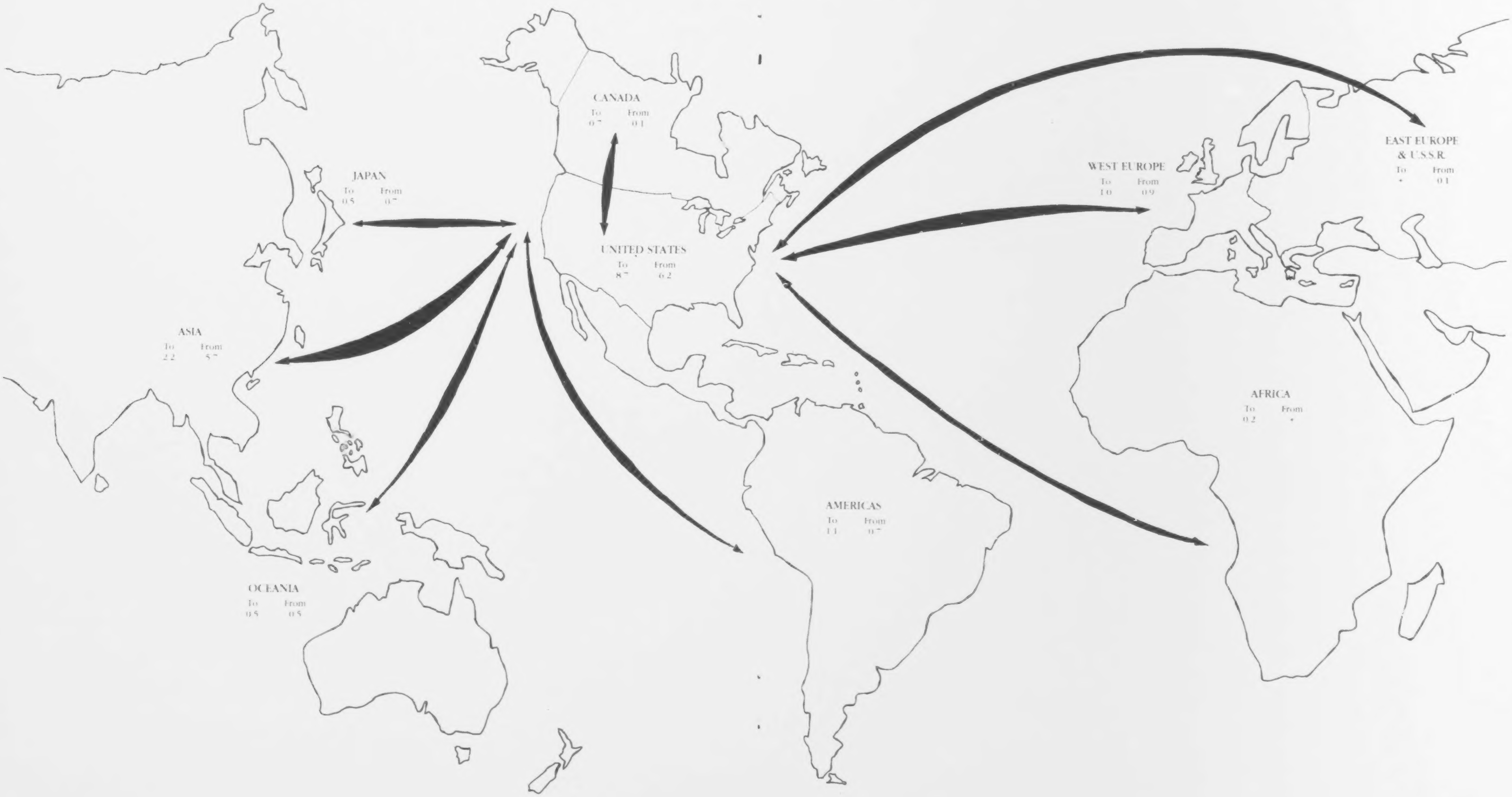
E. 309.2800, 2900, 9800 & 9900.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(Continued)*

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NON-CELLULOSIC TEXTILE YARN				C. NON-CELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NON-CELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
AUSTRALIA	1596	1554	2508	2297	7848	13682	13797	29064	1863	1055	4951	4089	779	349	1098	580	17481	17612	16450	19055
BANGLADESH	0	0	1	0	84	704	62	618	0	16	0	16	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP OF	2575	4140	3860	5462	52210	151230	54297	177872	9055	6703	7467	10595	10	2	5	3	314004	465061	194406	314984
HONG KONG	39	0	58	0	823	32705	1020	36074	345	515	703	1196	7497	4208	4917	2920	19133	12578	12005	8865
INDIA	0	0	0	0	3644	20927	4459	20899	1055	2009	1140	2544	2720	274	1072	230	1784	303	1066	327
INDONESIA	0	33	0	83	120	238	175	547	161	47	354	93	3959	3800	2486	2672	1120	2512	1216	2072
IRAQ	0	0	0	0	79	125	261	454	0		0	2	0	0	0	0	0	0	0	0
ISRAEL	57	42	106	62	6614	5488	6940	5910	6654	6535	7261	7296	108	58	45	23	2133	1702	1778	1496
JAPAN	75	121	125	184	2806	5651	5992	9823	10700	13833	14063	18050	706	1697	457	919	10681	7771	5087	7600
JORDAN	0	0	0	0	108	354	172	423	11	0	18	0	0	0	0	0	2		0	1
KOREA, REP OF	1818	770	2428	958	610	3398	1284	3241	568	385	1135	864	922	7805	795	4867	2517	3832	1631	3065
LEBANON	0	0	0	0	457	207	449	298	42	9	63	14	0	2	0	10	108	105	114	115
MALAYSIA	152	60	86	78	0	0	0	0	89	74	148	113	113	0	72	0	1527	1564	1223	1100
NEW GUINEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	119	0
NEW ZEALAND	24	25	74	90	586	1207	1214	4164	184	298	408	877	1	63	1	98	2525	1000	2470	1455
PAKISTAN	0	2	9	6	10	154	17	264	1	12	13	26	159	94	120	112	352	154	214	141
PHILIPPINES	108	28	120	32	358	612	416	840	286	312	472	486	11652	7476	7172	4418	10104	5425	6692	4515
SAUDI ARABIA	2	0	8	0	7	150	55	294	253	244	568	626	0	0	0	0	2	295	14	136
SINGAPORE	20	29	52	27	20	38	44	5	65	53	173	77	113	1333	108	874	524	299	820	572
SYRIA	0	0	0	0	1044	967	1056	1052	66	40	95	37	0	0	0	0	13	0	15	0
TAIWAN	6	198	4	203	676	752	843	717	2705	2605	2857	2773	585	401	402	360	36513	36412	26015	27865
THAILAND	158	123	248	275	3	2	12	4	93	115	233	395	288	0	256	0	1634	2063	1298	1853
OTHER	4	0	4	0	47	32	41	46	165	11	169	20		0	2	0	106	56	103	57
ASIA & OCEANIA	**6638**	**7131**	**9681**	**9752**	**78214**	**236603**	**95286**	**290928**	**34358**	**35531**	**41295**	**50183**	**29512**	**27592**	**19668**	**18086**	**422932**	**558724**	**279214**	**395176**
ALGERIA	0	0	0	0	5255	128	7619	228	26	2764	41	4135	530	0	281	0	0	0	0	0
EGYPT	0	0	0	0	3573	6033	4129	8420	2705	929	2736	927	0	0	0	0	2919	574	2187	527
KENYA	0	0	0	0	191	0	356	0	3	1	23	7	21	22	20	22	132	494	88	315
MOROCCO	644	79	871	108	516	497	804	442	1553	52	1245	75	245	8	384	7	4270	448	3100	442
MOZAMBIQUE	0	0	0	0	608	249	1077	324	0		0	2	0	0	0	0	0	0	0	0
NIGERIA	38	0	36	0	6179	2327	7769	3526	91	290	269	574	0	0	0	0	2355	25	1985	49
SOUTH AFRICA	1324	641	1785	1070	2786	4544	3806	6072	2804	2338	3096	3203	1755	652	1247	705	33254	35699	19920	25277
TUNISIA	0	0	0	0	102	0	133	0	0	0	0	0	0	0	0	0	20	5	18	12
ZAIRE	0	0	0	0	138	0	208	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	2	1	4	2	2	1	13	7	0	14	0	4	2	1041	2	725
OTHER	0	0	0	0	6	139	8	198	12	67	28	137	0	0	0	0	158	88	149	76
AFRICA	**2006**	**720**	**2692**	**1178**	**19356**	**14518**	**25913**	**19212**	**7196**	**6442**	**8051**	**9067**	**2551**	**676**	**1932**	**738**	**43110**	**38274**	**27449**	**27421**
GRAND TOTAL	**26929**	**24706**	**32113**	**28408**	**227935**	**356521**	**310438**	**484459**	**127388**	**106905**	**178113**	**166524**	**71072**	**62160**	**50176**	**43355**	**732474**	**790681**	**529569**	**606175**

The commodity numbers are:
A. 309.0110, 2210, 310.0006 & 0026
B. 310.0008, 0009, 0010, 0014, 0029, 0034, 0040 & 0044
C. 309.0120, 0140, 0170, 2220, 2270, 310.0027 & 0032
D. 309.4219 & 4222
E. 309.3220, 3240, 3250, 3255, 4240, 4242, 4245, 4246 & 4247

U.S. TRADE IN TEXTILES — 1981 (BILLION DOLLARS)


CANADA
To From
0.7 0.1
UNITED STATES
To From
8.7 6.2
JAPAN
To From
0.5 0.7
ASIA
To From
2.2 5.7
OCEANIA
To From
0.5 0.5
AMERICAS
To From
1.1 0.7
WEST EUROPE
To From
1.0 0.9
EAST EUROPE & U.S.S.R.
To From
* 0.1
AFRICA
To From
0.2 *

SOURCE: U.S. DEPARTMENT OF COMMERCE

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

THOUSAND POUNDS

PRODUCTS	YEAR 1979			YEAR 1980			YEAR 1981		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
RAYON+ACETATE									
YARN+MONOFILAMENTS	13,271	30,790	17,519 E	8,302	26,930	18,628 E	10,717	24,707	13,990 E
STAPLE+TOW	16,529	106,507	89,978 E	10,306	71,072	60,766 E	16,765	62,160	45,395 E
WASTE	803	9,551	8,748 E	339	6,090	5,751 E	519	2,799	2,280 E
SUBTOTAL ABOVE	30,603	146,848	116,245 E	18,947	104,092	85,145 E	28,001	89,666	61,665 E
NON-CELLULOSIC FIBERS									
YARN+MONOFILAMENTS	20,004	290,822	270,818 E	20,019	355,725	335,706 E	18,934	463,424	444,490 E
STAPLE+TOW	39,319	648,333	609,014 E	35,163	732,071	696,908 E	60,517	790,682	730,165 E
WASTE	21,126	147,745	126,619 E	21,546	116,420	94,874 E	49,828	107,265	57,437 E
SUBTOTAL ABOVE	80,449	1,086,900	1,006,451 E	76,728	1,204,216	1,127,488 E	129,279	1,361,371	1,232,092 E
TOTAL FIBER ABOVE[b]	111,052	1,233,748	1,122,696 E	95,675	1,308,308	1,212,633 E	157,280	1,451,037	1,293,757 E
MAN-MADE FIBER MANUFACTURES[c]									
SLIVER, TOPS & ROVING	6,653	13,252	6,599 E	2,792	13,103	10,311 E	3,736	11,046	7,310 E
SPUN YARNS	25,848	34,381	8,533 E	22,850	32,845	9,995 E	23,479	45,693	22,214 E
THREAD & CRAFT YARNS	2,015	8,808	6,793 E	2,306	7,404	5,098 E	2,854	5,922	2,068 E
TIRE CORD & FABRIC	97	87,008	86,911 E	47	115,514	115,467 E	277	48,155	47,878 E
WOVEN FABRIC	64,577	228,634	164,057 E	67,283	249,769	182,486 E	95,382	208,478	113,096 E
KNIT FABRICS	8,011	16,413	8,402 E	5,985	23,232	17,247 E	2,149	21,673	19,524 E
NARROW FABRICS	8,967	12,551	3,584 E	8,137	25,471	17,334 E	8,703	26,210	17,507 E
APPAREL—KNIT NOT KNIT	184,407 175,111	60,472	299,046 I	187,745 190,770	127,008	251,507 I	184,704 252,302	120,840	316,217 I
HOME FURNISHINGS OTHER	38,817	15,258 70,065	46,506 E	52,729	113,580 63,619	124,470 E	65,640	84,580 66,110	84,675 E
TOTAL MANUFACTURES	524,973	596,583	71,610 E	540,644	771,545	230,901 E	639,076	637,731	1,345 I
TOTAL MAN-MADE FIBER & MANUFACTURES	636,025	1,830,331	1,194,306 E	636,319	2,079,853	1,443,534 E	796,356	2,088,768	1,292,412 E
COTTON MANUFACTURES[d]	746,096	477,960	268,136 I	810,930	523,094	287,836 I	961,900	367,299	594,601 I
WOOL MANUFACTURES[e]	109,543	15,592	93,951 I	103,288	24,264	79,024 I	113,626	12,323	101,303 I

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from "*Cotton and Wool Situation*," a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and non-cellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. The fibers included are shown under "Total Man-Made Fiber Above" on pages 68 and 73 herewith.

c. Man-made fiber equivalent.

d. Raw cotton equivalent. Data are similar to those on page 45 of the March 1982 ***Organon***.

e. Raw wool content. The data differ from those on page 45 of the March 1982 ***Organon*** to the extent that noils and waste are included here.

SUMMARY OF U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBERS & MANUFACTURES

MILLION POUNDS

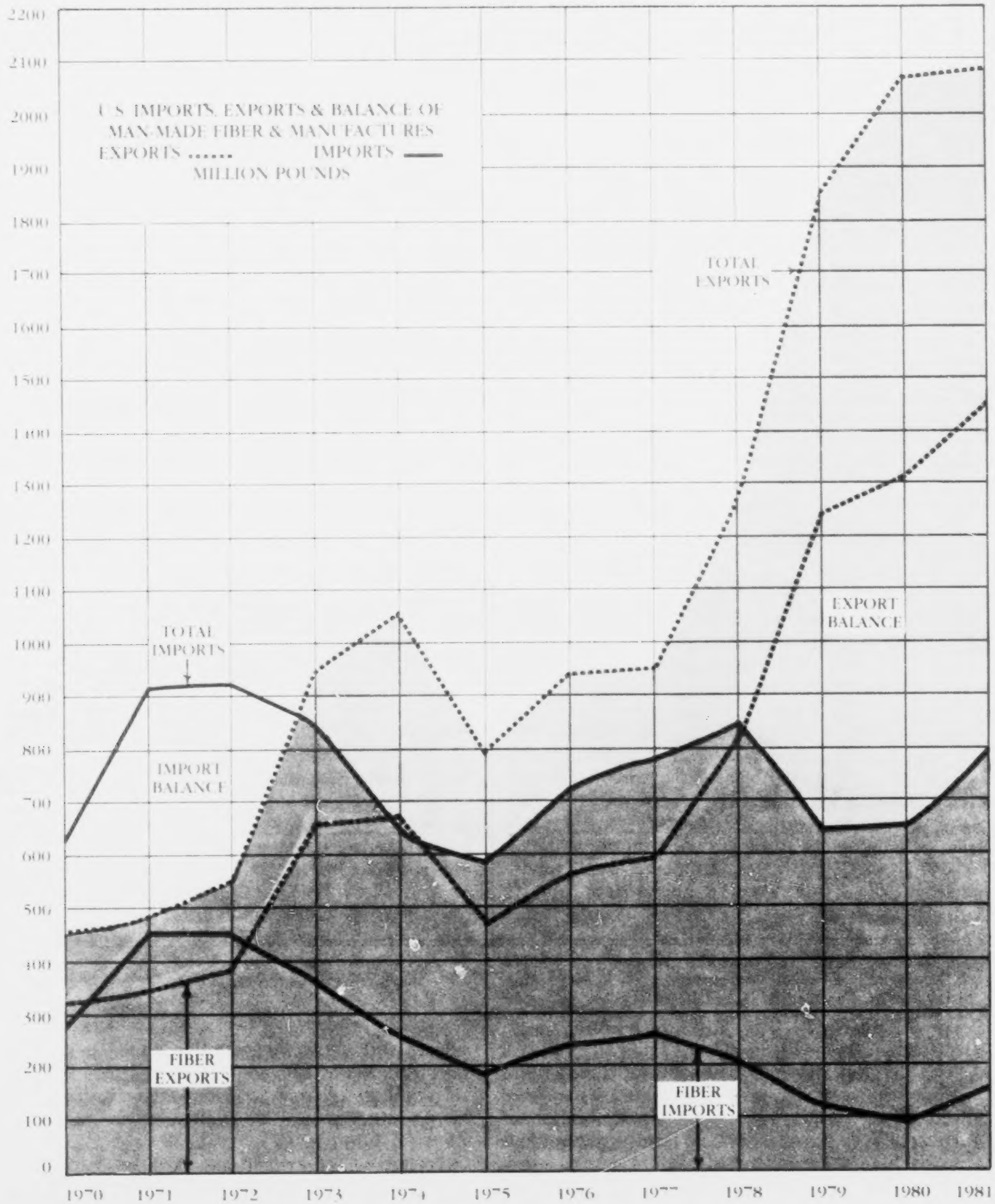
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
IMPORTS												
TOTAL FIBER[a]	285.1	451.2	438.6	366.5	259.7	181.3	230.5	250.5	205.9	111.0	95.7	157.3
TOTAL MANUFACTURES[b]	329.3	451.1	480.5	465.3	371.3	400.4	479.5	530.7	642.6	525.0	540.6	639.1
TOTAL IMPORTS	614.4	902.3	919.1	831.8	631.0	581.7	710.0	781.2	848.5	636.0	636.3	796.4
EXPORTS												
TOTAL FIBER[a]	313.5	333.7	384.2	652.0	658.6	472.9	570.0	591.3	806.6	1233.7	1308.3	1451.1
TOTAL MANUFACTURES[b]	147.1	146.7	177.6	288.2	390.7	322.4	352.2	367.6	441.7	596.6	771.5	637.7
TOTAL EXPORTS	460.6	480.4	561.8	940.2	1049.3	795.3	922.2	958.9	1248.3	1830.3	2079.8	2088.8
BALANCE[c]	153.8 I	421.9 I	357.3 I	108.4 E	418.3 E	213.6 E	212.2 E	177.7 E	399.8 E	1194.3 E	1443.5 E	1292.4 E
U.S. PRODUCTION[d]	5130.2	5877.8	6991.2	7978.0	7698.7	6870.0	7744.5	8525.1	8967.1	9022.2	8882.2	8984.5
U.S. NET AVAILABLE	5284.0	6299.7	7348.5	7869.6	7280.4	6656.4	7532.3	8347.4	8567.3	8427.9	7438.7	7692.1
IMPORTS AS % OF PRODUCTION	*12.0*	*15.4*	*13.1*	*10.4*	*8.2*	*8.5*	*9.2*	*9.2*	*9.5*	*6.6*	*7.2*	*8.9*
EXPORTS AS % OF PRODUCTION	*9.0*	*8.2*	*8.0*	*11.8*	*13.6*	*11.6*	*11.9*	*11.2*	*13.9*	*19.0*	*23.4*	*23.2*

a. As shown in Total Fiber Above in the table above and earlier.

b. As shown in Total Manufactures in the table above and earlier.

c. **E** means a net export balance; **I** means a net import balance.

d. Production means the production of yarn, monofilaments, staple+tow (excluding textile glass) and producers' shipments of waste from page 20 of the February 1982 ***Organon***.


U.S. IMPORTS, EXPORTS & BALANCE OF
MAN-MADE FIBER & MANUFACTURES
EXPORTS ...... IMPORTS ——
MILLION POUNDS
TOTAL EXPORTS
EXPORT BALANCE
TOTAL IMPORTS
IMPORT BALANCE
FIBER EXPORTS
FIBER IMPORTS
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981

WORLD TRADE IN TEXTILE FIBERS (SITC 26, REVISED)

MILLION DOLLARS (F.O.B.)

FROM	TO	UNITED STATES	EUROPE	JAPAN	CENTRALLY PLANNED ECONOMIES			OTHER AMERICAS	ASIA & OCEANIA	AFRICA	WORLD TOTAL[c]
					ASIA[a]	EUROPE[b]	USSR				
UNITED STATES	1975		245	210	82	18	1	134	575	79	1345
	1976		240	209	8	12	1	165	654	71	1420
	1977		342	317	36	12	1	183	895	114	1902
	1978		387	367	204	31	8	208	1003	95	2306
	1979		573	484	419	52	7	306	1080	120	3055
	1980		715	548	895	30	5	326	1206	123	3936
EUROPE	1975	40	1733	18	25	142	32	35	153	95	2290
	1976	57	2180	28	33	152	20	42	142	124	2788
	1977	68	2163	25	52	159	26	40	231	141	2925
	1978	67	2494	35	66	189	36	42	244	154	3343
	1979	65	2982	40	37	232	49	62	233	190	3898
	1980	58	2987	26	117	234	126	74	280	267	4182
JAPAN	1975	15	45		66	13	8	21	207	32	406
	1976	16	40		80	7	8	25	289	30	502
	1977	18	50		77	12	6	23	335	28	530
	1978	15	47		77	11	4	15	372	26	557
	1979	10	58		65	18	0	22	364	23	561
	1980	7	47		172	12	8	22	404	29	702

SOURCE: *Monthly Bulletin of STATISTICS*, United Nations, February 1982.

a) Excludes the inter trade of these countries.

b) Excludes trade between the Federal Republic of Germany and the German Democratic Republic.

c) Totals may not add due to rounding errors.

WORLD TRADE IN TEXTILE YARN AND FABRICS (SITC 65, REVISED)

MILLION DOLLARS (F.O.B.)

FROM	TO	UNITED STATES	EUROPE	JAPAN	CENTRALLY PLANNED ECONOMIES			OTHER AMERICAS	ASIA & OCEANIA	AFRICA	WORLD TOTAL[c]
					ASIA[a]	EUROPE[b]	USSR				
UNITED STATES	1975	—	588	51	0	4	7	690	200	67	1625
	1976	—	695	58	0	7	16	841	258	75	1970
	1977	—	646	53	1	3	23	882	250	78	1956
	1978	—	711	71	3	6	5	1010	302	91	2222
	1979	—	1170	115	34	13	14	1226	459	110	3182
	1980	—	1200	110	134	15	14	1350	552	219	3625
EUROPE	1975	380	11138	217	17	660	540	363	870	917	14956
	1976	440	12498	212	27	642	315	360	1010	969	16554
	1977	557	13893	220	29	673	301	370	1331	1121	18576
	1978	691	16997	329	41	803	278	424	1476	1290	22443
	1979	693	21013	482	35	884	374	497	1552	1392	27057
	1980	741	22012	398	52	895	689	490	1827	1824	29053
JAPAN	1975	262	149	—	66	38	132	230	1098	345	2923
	1976	344	168	—	113	38	102	244	1937	352	3302
	1977	406	225	—	154	49	157	283	2094	341	3712
	1978	423	241	—	168	29	96	245	2340	288	3832
	1979	350	279	—	143	37	133	253	2574	231	4001
	1980	380	385	—	277	63	209	274	3178	333	5102

SOURCE: *Monthly Bulletin of STATISTICS*, United Nations, February 1982.

a) Excludes the inter trade of these countries.

b) Excludes trade between the Federal Republic of Germany and the German Democratic Republic.

c) Totals may not add due to rounding errors.

(Continued from page 73)

4,537.2 million square yards produced during 1980. Toweling, wash- and dishcloths increased 3%, to 489.8 million square yards in 1981 and duck and allied fabrics were marginally above their 1980 levels. On a yardage basis, the biggest decline was in the print cloth category, which fell 281.8 million square yards to 1,438.8 million square yards. On a percentage basis, the biggest decline was recorded by fine cotton fabrics, which fell 42% to 64.3 million square yards, followed by corduroy fabrics which fell 35% to 272.6 million square yards during 1981.

Production of woolen and worsted fabrics during 1981 totaled 193.3 million square yards, an increase of

WORLD TRADE IN CLOTHING (SITC 84, REVISED)

MILLION DOLLARS (F.O.B.)

FROM	TO	UNITED STATES	EUROPE	JAPAN	CENTRALLY PLANNED ECONOMIES ASIA[a]	EUROPE[b]	USSR	OTHER AMERICAS	ASIA & OCEANIA	AFRICA	WORLD TOTAL[c]
UNITED STATES	1975		80	12	0	1	0	256	35	14	421
	1976		111	18	0	2	0	315	47	15	561
	1977		160	24	0	1	0	348	48	19	670
	1978		157	45	0	8	0	402	48	17	719
	1979		290	79	0	4	0	482	51	15	958
	1980		415	78	0	3	0	610	72	24	1219
EUROPE	1975	317	6787	105	0	118	231	177	201	204	8147
	1976	371	7480	115	0	122	219	186	250	249	9000
	1977	449	8758	151	1	130	171	205	399	335	10610
	1978	522	10770	201	0	157	188	215	448	361	12877
	1979	518	13689	298	1	194	175	233	523	404	16054
	1980	402	15401	285	1	218	457	257	610	572	18275
JAPAN	1975	157	39		0	1	28	18	52	37	332
	1976	218	48		0	1	32	21	64	32	416
	1977	246	51		1	0	39	19	77	30	463
	1978	274	62		0	0	29	16	78	27	486
	1979	165	56		2	1	15	13	77	24	351
	1980	209	90		3	1	27	15	123	32	500

SOURCE: *Monthly Bulletin of STATISTICS*, United Nations, February 1982

a) Excludes the inter trade of these countries.

b) Excludes trade between the Federal Republic of Germany and the German Democratic Republic.

c) Totals may not add due to rounding errors.

2% over the 1980 level. Production of fabrics for men's & boys' clothing increased 6½% (to 108.5 million square yards) and for women's and children's clothing increased 1½% (to 75.6 million square yards) in 1981. However, production of woolen and worsted nonapparel fabrics declined 26% during 1981, to 9.2 million square yards.

Man-made fiber broad woven fabric production for 1981 totaled 11,715.8 million square yards, 7% more than the 10,972.5 million square yards produced during 1980. For 1981, most categories of spun yarn fabrics and combination fabrics recorded gains, while most filament yarn fabrics were lower. Polyester-cotton blend fabrics showed the largest yardage gain during 1981, increasing 173.6 million square yards to 4,516.5 million square yards followed by polyester-rayon blend fabrics, which increased 142.1 million square yards to 738.4 million square yards. The largest year-to-year percentage gain was recorded by rayon or acetate warp fabrics, which increased 60% to 122.2 million square yards.

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS

During 1981, broad woven fabric mills consumed 4,634.0 million pounds of yarn according to the U.S. Census Bureau, a decrease of 3% from the 1980 consumption level of 4,772.0 million pounds. Fourth quarter 1981 yarn consumption totaled 1,051.9 million pounds, 8½% less than the third quarter level of 1,152.0 million pounds and 13% below the corresponding 1980 quarter.

Filament yarn consumption during 1981 totaled 1,521.7 million pounds, 4½% above the 1,457.4 million pounds consumed during 1980. Consumption of rayon+acetate filament yarn increased 11% (to 140.1 million pounds) and use of polyester filament yarn rose 16% (to 539.2 million pounds) during 1981. These increases were enough to offset the consumption declines in the other filament yarn categories.

Fourth quarter 1981 filament yarn consumption stood at 340.3 million pounds, 9½% less than the 375.7 million pounds used during the previous quarter and 15% below the usage of the corresponding 1980 quarter. During the October-December 1981 quarter, all filament yarn categories declined as compared with the previous quarter. Compared with fourth quarter 1980, rayon+acetate filament yarn was the only category to show an increase in the last 1981 quarter.

1981 consumption of spun yarn, at 3,004.8 million pounds, was 6½% less than the 3,206.0 million pounds used during 1980. Declines of 8½% in spun cotton yarn usage (to 1,242.6 million pounds) and spun polyester-cotton yarn usage (to 1,256.2 million pounds) offset consumption gains in spun wool, spun polyester, spun rayon and/or acetate and spun polyester-wool yarns.

Fourth quarter 1981 use of spun yarns in broad weaving mills, at 688.8 million pounds, was 8% below third quarter 1981 levels and 12% less than the 783.0 million pounds consumed during the October-December 1980 quarter. Again, as compared with the previous quarter, fourth quarter consumption of all categories of spun yarn declined.

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS[a]

MILLION POUNDS

YARN	1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1980 YEAR	1981 1ST Q	1981 2ND Q	1981 3RD Q	1981 4TH Q	1981 YEAR	1982 1ST Q	1982 2ND Q
100% FILAMENT												
RAYON ACETATE & TRIACETATE	34.1	33.4	27.6	31.6	126.7	35.4	35.9	34.8	34.0	140.1		
NYLON	104.4	85.2	81.7	94.6	365.9	96.5	88.3	90.0	83.4	358.2		
POLYESTER	124.8	108.8	105.0	125.4	464.0	139.0	143.3	140.2	117.7	540.2		
TEXTILE GLASS	53.8	40.7	35.3	37.7	167.5	42.6	37.0	40.2	36.5	156.3		
OLEFIN & SARAN	74.0	67.9	72.0	112.0	318.9	107.3	80.4	71.5	68.7	327.9		
ALL OTHER	4.6	2.8			10.4							
TOTAL FILAMENT YARN ABOVE	**395.7**	**338.8**	**321.6**	**401.3**	**1457.4**	**420.8**	**384.9**	**375.7**	**340.3**	**1521.7**		
SPUN YARN												
100% COTTON	364.8	348.6	311.7	331.2	1356.3	322.3	323.5	303.1	293.7	1242.6		
100% WOOL	9.4	10.0	6.3	8.4	34.1	12.3	12.4	7.5	6.9	39.1		
100% ACRYLIC	6.7	8.0	7.4	6.5	28.6	5.6	6.0	5.1	4.1	20.8		
100% POLYESTER	44.0	35.1	30.8	27.8	137.7	40.5	39.8	41.7	38.1	160.1		
RAYON AND/OR ACETATE[b]	29.7	22.0	21.4	24.6	97.7	27.8	27.6	24.0	23.1	102.5		
POLYESTER COTTON BLENDS[c]	359.0	355.5	324.3	333.2	1372.0	330.5	328.0	318.0	279.1	1256.2		
POLYESTER WOOL BLENDS[c]	5.1	6.0	5.5	5.6	22.2	6.4	7.6	7.8	6.2	28.0		
POLYESTER RAYON BLENDS[c]	35.4	39.4	36.9	45.7	157.4	37.8	39.1	41.0	37.6	155.5		
TOTAL SPUN YARN ABOVE	**854.1**	**824.6**	**744.3**	**783.0**	**3206.0**	**783.2**	**783.4**	**749.4**	**688.8**	**3004.8**		
ALL OTHER YARNS[d]	**28.6**	**24.0**	**24.5**	**31.5**	**108.6**	**28.7**	**29.1**	**26.9**	**22.8**	**107.5**		
GRAND TOTAL	**1278.4**	**1187.4**	**1090.4**	**1215.8**	**4772.0**	**1232.7**	**1197.4**	**1152.0**	**1051.9**	**4634.0**		

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. Includes data from all types of broad woven fabric mills; i.e., cotton, man made, woolen & worsted and tire cord & fabric mills.

b. Includes 100% spun rayon and acetate as well as rayon and/or acetate/cotton blends, regardless of blend level.

c. Regardless of blend level.

d. All Other Yarns includes spun nylon, other blends, silk and paper.

TIRE CORD & TIRE CORD FABRICS PRODUCTION

MILLION POUNDS

TYPE OF FABRIC	1980 1ST Q	1980 2ND Q	1980 3RD Q	1980 4TH Q	1980 YEAR	1981 1ST Q	1981 2ND Q	1981 3RD Q	1981 4TH Q	1981 YEAR	1982 1ST Q	1982 2ND Q
TIRE CORD & TIRE FABRICS												
NYLON	76.0	58.2	57.6	72.5	264.5	86.9	76.4	88.9	72.4	324.6[a]		
POLYESTER	47.0	31.4	35.0	48.3	161.7	55.2	55.1	56.8	50.4	217.5[a]		
RAYON	6.1	5.5	8.1	7.9	10.8	4.0	3.7	3.2	2.9	13.8		
GLASS	5.1	4.1			19.8	5.1	6.3	7.5	5.2	24.1[b]		
CHAFER & OTHER[c]	7.7	6.4	7.6	8.2	29.9	11.1	7.9	9.1	10.0	38.1[b]		
TOTAL TIRE CORD & TIRE CORD FABRICS	**141.9**	**105.4**	**108.3**	**136.9**	**492.5**	**162.3**	**149.4**	**165.5**	**140.9**	**618.1**		

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. 25 to 50 percent of this item is estimated by the Census.

b. 10 to 25 percent of the item is estimated by the Census.

c. Includes a nominal amount of cotton and some steel.

BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
COTTON FABRICS	**1249.1**	**1206.5**	**1002.3**	**1079.3**	**4537.2**	**994.8**	**988.2**	**968.5**	**1005.6**	**3957.1**		
DUCK & ALLIED FABRICS	28.5	25.6	21.8	17.2	93.1	19.5	26.0	25.6	23.1	94.2		
SHEETING & ALLIED FABRICS	209.7	205.8	156.3	181.1	752.9	181.6	178.0	172.1	179.0	710.7		
PRINT CLOTH YARN FABRICS	469.1	455.6	376.2	419.7	1720.6	352.9	334.6	340.4	410.9	1438.8		
DENIMS	167.2	170.2	151.0	148.9	637.3	146.1	150.7	155.3	138.2	590.3		
TOWELING, WASH & DISHCLOTHS	126.5	120.1	106.5	122.5	475.6	127.8	125.1	115.9	121.0	489.8		
BLANKETING & OTHER NAPPED FABRICS	32.0	27.1	24.2	27.3	110.6	25.9	26.6	22.5	20.3	95.3		
FINE COTTON FABRICS	34.0	30.8	29.2	17.4	111.4	13.7	16.9	17.2	16.5	64.3		
CORDUROYS	125.6	113.2	93.3	87.8	419.9	72.6	72.7	67.3	60.0	272.6		
UPHOLSTERY & TAPESTRY	6.2	9.7	7.3	6.9	30.1	5.9	7.0	7.2	6.4	26.5		
VELVETS	3.9	3.4	3.1	3.0	13.4	2.1	3.1	3.2	2.9	11.3		
DRAPERY & BEDSPREAD FABRICS	20.2	20.3	11.9	14.7	67.1	21.4	16.9	15.4	13.0	66.7		
ALL OTHER FABRICS	26.2	24.7	21.5	32.8	105.2	25.3	30.6	26.4	14.3	96.6		
WOOLEN & WORSTED FABRICS[a]	**55.4**	**55.8**	**37.3**	**40.7**	**189.2**	**58.4**	**56.5**	**41.0**	**37.4**	**193.3**		
MEN'S & BOYS' CLOTHING	32.0	30.3	19.2	20.6	102.1	32.9	32.7	22.0	20.9	108.5		
WOMEN'S & CHILDREN'S CLOTHING	19.2	22.3	16.2	16.9	74.6	20.2	22.8	17.7	14.9	75.6		
NONAPPAREL FABRICS	4.2	3.2	1.9	3.2	12.5	5.3	1.0	1.3	1.6	9.2		
MAN-MADE FABRICS	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**2994.8**	**2963.3**	**2941.3**	**2816.4**	**11715.8**		
100% FILAMENT YARN FABRICS:												
100% RAYON	6.3	6.7	6.0	7.1	26.1	7.1	6.4	6.0	5.0	24.5		
COMBINATIONS CHIEFLY ACETATE	12.4	12.5	11.9	13.9	50.7	14.1	14.0	13.0	11.5	52.6		
100% NYLON	166.0	156.7	132.4	146.9	602.0	141.8	130.0	137.6	125.7	535.1		
100% POLYESTER	248.6	278.4	258.8	300.7	1086.5	284.3	301.2	295.6	252.9	1132.0		
COMBINATIONS CHIEFLY POLYESTER	23.9	22.4	24.0	21.2	91.5	21.5	20.0	21.9	23.3	86.7		
TEXTILE GLASS	115.2	97.9	85.5	93.2	391.8	106.6	92.8	99.1	87.6	386.1		
100% ACETATE	81.3	91.5	87.3	98.5	358.6	400.5	451.2	96.5	98.7	1654.4		
OTHER	319.8	289.6	302.3	461.7	1373.4			311.3	296.2			
100% SPUN YARN FABRICS & BLENDS:												
RAYON & ACETATE	96.2	90.1	84.8	180.3	451.4	174.1	176.8	142.0	92.0	584.9		
ACRYLIC+MODACRYLIC	3.9	4.3	5.2	4.7	18.1	2.9	3.7	3.2	2.5	12.3		
100% POLYESTER	58.3	51.8	53.3	54.8	218.2	78.3	77.1	73.1	73.9	302.4		
POLYESTER WITH COTTON	1117.4	1100.5	1015.0	1110.0	4342.9	1115.4	1097.1	1121.5	1182.5	4516.5		
POLYESTER WITH RAYON	147.7	140.4	141.2	167.0	596.3	177.2	190.9	193.7	176.6	738.4		
POLYESTER WITH OTHER FIBERS	16.6	7.5	14.5	15.4	54.0	15.3	15.6	22.5	19.4	72.8		
POLYESTER WITH WOOL[b]	11.4	11.1	13.4	14.5	50.4	12.6	13.4	30.5	34.2	117.8		
NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5					
BLANKETING[c]	29.9	31.5	31.6	28.7	121.7	24.6	28.1	14.3	11.7	78.7		
ALL OTHER	12.3	10.1	9.0	12.4	43.8	4.6	4.6	4.5	3.5	17.2		
COMBINATIONS & MIXTURES[d]												
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	33.1	30.5	27.2	122.2		
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	70.2	68.7	59.8	287.0		
OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0	2.3	2.9	10.5		
OTHER	121.8	88.6	75.3	97.3	383.0	129.3	140.0	163.7	149.5	582.5		
SPECIALTY FABRICS:												
DRAPERY & BEDSPREAD	54.1	51.7	48.9	43.7	198.4	65.0	60.3	50.4	51.5	227.2		
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.5	1.8	1.8	6.4		
VELVETS	4.1	4.3	3.9	3.9	16.2	3.8	3.9	3.4	2.9	14.0		
UPHOLSTERY & TAPESTRY	29.9	25.0	18.2	24.0	97.1	28.9	30.9	30.2	23.6	113.6		
OTHER[e]	2.7	3.0	2.8	2.2	10.7							
TOTAL BROAD WOVEN FABRICS ABOVE	**4085.3**	**3925.6**	**3556.5**	**4131.5**	**15698.9**	**4048.0**	**4008.0**	**3950.8**	**3859.4**	**15866.2**		

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T*

a. Felts are not included.

b. Includes polyester blanketing for 3rd & 4th Q 1981 and 1981 total.

c. Acrylic+modacrylic and polyester. Does not include polyester for 3rd & 4th Q 1981 and 1981 total.

d. Includes filament & spun yarn fabrics.

e. 100% or chiefly man made fibers, chief fiber not specified. Also includes small poundages of tie, twisted paper yarn and girdle & swimwear fabrics.

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT YARN FABRICS	**973.5**	**955.7**	**908.2**	**1143.2**	**3980.6**	**1035.9**	**995.6**	**979.0**	**900.9**	**3911.4**		
100% FILAMENT ACETATE	81.5	91.5	87.3	98.5	358.6	a	a	90.5	98.7	a		
TAFFETAS (PLAIN WEAVE)												
75 DENIER WARP	13.0	14.0	10.6	8.7	46.3	8.4	7.8	8.1	8.8	33.1		
150 DENIER WARP	9.3	7.9	9.9	12.7	39.8	9.5	11.2	13.6	14.5	48.8		
ALL OTHER	13.7	19.9	31.2	33.5	98.4	46.5	30.6	20.9	27.7	127.3		
SATINS	12.0	20.9	9.9	12.5	55.4	a	a	48.3	47.7	a		
ALL OTHER[b]	33.3	28.8	25.7	31.1	118.9	a	a			a		
FILAMENT COMB. (CHIEFLY ACETATE)	12.4	12.5	11.9	13.9	50.7	14.1	14.0	13.0	11.5	52.6		
100% FILAMENT RAYON	6.3	6.7	6.0	7.1	26.1	7.1	6.4	6.0	5.0	24.5		
TWILLS	4.4	5.1	4.9	6.1	20.5	6.4	5.7	4.5	3.2	19.8		
ALL OTHER[c]	1.9	1.6	1.1	1.0	5.6	0.7	0.7	1.5	1.8	4.7		
100% FILAMENT NYLON	166.0	156.7	132.4	140.9	602.0	141.8	150.0	137.6	125.7	555.1		
TAFFETAS (PLAIN WEAVE)												
50 & 70 DENIER	51.0	59.4	53.0	59.0	222.4							
ALL OTHER	36.0	28.0	22.6	21.4	108.0	81.6	74.4	77.6	67.5	301.1		
TWILLS & SATINS MARQUISETTES, NINONS & OTHER SHEERS	4.3	4.0	3.1	3.3	14.7							
INDUSTRIAL TYPE	68.8	59.1	48.4	55.5	231.8	55.9	52.6	56.2	55.2	219.9		
ALL OTHER	7.9	6.2	5.3	4.7	24.1	4.3	3.0	3.8	3.0	14.1		
100% FILAMENT POLYESTER	248.6	278.4	258.8	300.7	1086.5	284.3	301.2	295.6	252.9	1142.0		
TEXTURED YARN												
UP TO 4 OZ. SQ.YD.	43.6	51.6	52.9	52.5	200.6	56.9	60.0	64.7	58.5	240.1		
4 OZ & OVER SQ.YD.	141.4	165.9	152.7	185.6	645.6	170.1	180.0	169.9	130.5	650.5		
NONTEXTURED YARN												
INDUSTRIAL TYPE	17.4	14.3	12.5	13.1	57.3	13.5	10.1	9.9	10.2	43.7		
MARQUIS., NINONS & OTHER SHEERS	33.3	33.7	34.2	39.7	140.9	33.6	45.0	42.0	30.5	175.5		
TAFFETAS ALL OTHER	12.9	12.9	6.5	9.8	42.1	7.0 3.2	4.4 3.3	2.9 3.6	4.0 3.8	18.3 13.9		
FILAMENT COMB. (CHIEFLY POLYESTER)	23.9	22.4	24.0	21.2	91.5	21.5	20.0	21.0	23.3	86.7		
GLASS FIBER	115.2	97.9	85.5	93.2	391.8	106.6	92.8	99.1	87.0	385.5		
INDUSTRIAL												
WOVEN ROVING & SCREENING	13.6	13.1	9.4	8.6	44.7	9.8	9.7	8.5	5.0	33.0		
ALL OTHER[d]	101.6	84.8	76.1	84.6	347.1	96.8	83.1	90.6	82.0	352.5		
OTHER 100% FILAMENT YARN[e]	310.8	289.6	302.5	461.7	1373.4	400.1	375.6	311.3	296.2	1383.2		

See footnotes on opposite page

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION *(Continued)*

MILLION SQUARE YARDS

TYPE OF FABRIC	1980					1981					1982	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% SPUN YARN FABRICS & BLENDS	**1498.9**	**1453.4**	**1373.2**	**1574.1**	**5899.6**	**1613.6**	**1619.8**	**1611.3**	**1596.3**	**6441.0**		
SPUN RAYON AND/OR ACETATE[f]	96.2	90.1	84.8	160.3	431.4	174.1	176.8	142.0	92.0	584.9		
SPUN ACRYLIC + MODACRYLIC[f]	3.9	4.3	5.2	4.7	18.1	2.9	3.7	3.2	2.5	12.3		
100% SPUN POLYESTER[f]	58.3	51.8	53.3	54.8	218.2	78.3	77.1	73.1	73.9	302.4		
PRINT CLOTH YARN	15.8	16.5	18.6	12.6	63.5	11.3	13.8	13.4	15.1	53.6		
ALL OTHER	42.5	35.3	34.7	42.2	154.7	67.0	63.3	59.7	58.8	248.8		
SPUN POLYESTER BLENDS WITH COTTON[f]	1117.4	1100.5	1015.0	1110.0	4342.9	1115.4	1097.1	1121.5	1182.5	4516.5		
BATISTE	74.2	66.5	65.6	74.8	281.1	74.9	67.1	66.9	60.9	269.8		
BED SHEETING	415.9	426.6	373.7	402.9	1619.1	405.7	398.1	404.0	367.7	1575.5		
BROADCLOTH	91.0	75.1	65.4	67.8	299.3	55.4	62.4	77.6	72.2	267.6		
CORDUROY	19.0	22.6	21.2	24.6	87.4	19.0	18.7	g	g	g		
VOILES						11.1	9.4	11.6	9.0	41.1		
OXFORDS												
SHIRTING	6.3	6.6	6.3	12.2	31.4	13.3	11.4	11.5	9.7	45.9		
OTHER (INCL. HOPSACKS)	12.5	12.0	14.2	15.4	54.1	14.2	13.1	12.4	11.3	51.0		
POPLINS	55.7	68.4	60.9	60.3	245.3	65.6	73.3	85.2	79.5	303.6		
PRINT CLOTH YARN												
PLAIN PRINT CLOTH[h]	185.6	169.1	177.0	180.7	696.3	212.1	202.9	223.1	211.0	849.1		
ALL OTHER	12.1	15.5			52.7							
SATEENS	24.1	22.5	22.0	23.9	92.5	7.8	6.4	4.7	3.7	22.6		
TWILLS (INCL. GABARDINE)												
HEAVIER THAN 2 SQ YD/LB	30.6	28.6	31.8	30.2	121.2	31.3	38.6	29.2	19.6	118.7		
2 SQ YD/LB & LIGHTER	62.1	56.8	48.9	67.0	234.8	68.1	61.7	63.0	68.3	261.1		
YARN DYED[i]	77.6	72.9	68.1	66.3	284.9	65.2	62.3	55.4	53.0	235.9		
ALL OTHER[j]	50.7	57.3	59.9	74.9	242.8	73.7	71.7	76.9	210.6	476.6		
SPUN POLYESTER BLENDS WITH RAYON[f]	147.7	140.4	141.2	167.0	596.3	177.2	190.9	193.7	176.6	738.4		
PLAIN PRINT CLOTH	89.8	89.8	88.0	100.4	368.0	115.8	118.9	113.8	103.7	452.2		
OTHER PRINT CLOTH	18.8	17.4	53.2	66.6	57.1	61.4	72.0	79.9	72.9	286.2		
ALL OTHER	39.1	33.2			171.2							
SPUN POLYESTER BLENDS WITH OTHER FIBERS[f]	16.6	7.5	14.5	15.4	54.0	15.3	15.6	22.5	19.4	72.8		
SPUN POLYESTER BLENDS WITH WOOL[k]	11.4	11.1	13.4	14.5	50.4	12.6	13.4	36.5	34.2	140.2		
SPUN NYLON	5.2	6.1	5.2	6.3	22.8	8.6	12.5					
SPUN POLYESTER BLANKETING	11.8	11.7	14.2	13.0	50.7	10.2	12.2	m	m	m		
SPUN ACRYLIC + MODACRYLIC BLANKETING	18.1	19.8	17.4	15.7	71.0	14.4	15.9	14.3	11.7	56.3		
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	12.3	10.1	9.0	12.4	43.8	4.6	4.6	4.5	3.5	17.2		
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**215.6**	**170.9**	**160.4**	**216.9**	**763.8**	**246.3**	**251.3**	**265.2**	**239.4**	**1002.2**		
FILAMENT RAYON OR ACETATE WARP	14.2	15.0	18.4	28.8	76.4	31.4	33.1	30.5	27.2	122.2		
FILAMENT POLYESTER WARP	71.2	62.6	64.5	87.7	286.0	82.3	76.2	68.7	59.8	287.0		
ALL OTHER FILAMENT WARP	8.4	4.7	2.2	3.1	18.4	3.3	2.0	2.3	2.9	10.5		
SPUN WARP WITH FILAMENT FILLING	101.1	68.6	75.3	97.3	313.2	129.3	140.0	163.7	149.5	582.5		
COMBINATION FILAMENT & SPUN WARP OR FILLING	20.7	20.0			69.8							
OTHER SPECIALTY FABRICS	**92.8**	**83.3**	**75.1**	**77.3**	**328.5**	**99.0**	**96.6**	**85.8**	**79.8**	**361.2**		
DRAPERY & BEDSPREAD[n]	54.1	51.7	48.9	43.7	198.4	65.0	60.3	50.4	51.5	227.2		
JACQUARD WOVEN	2.2	1.5	1.5	1.3	6.5	2.8	3.3	2.7	2.0	10.8		
OTHER WOVEN	51.9	50.2	47.4	42.4	191.9	62.2	57.0	47.7	49.5	216.4		
SILK	2.0	1.3	1.3	1.5	6.1	1.3	1.5	1.8	1.8	6.4		
VELVETS, PLUSHES & OTHER PILE	4.1	4.3	3.9	3.9	16.2	3.8	3.9	3.4	2.9	14.0		
UPHOLSTERY & TAPESTRY	29.9	23.0	18.2	26.0	97.1	28.9	30.9	30.2	25.6	115.6		
ALL OTHER[o]	2.7	3.0	2.8	2.2	10.7							
TOTAL MAN MADE FIBER FABRICS ABOVE	**2780.8**	**2663.3**	**2516.9**	**3011.5**	**10972.5**	**4048.0**	**4008.0**	**3950.8**	**3859.4**	**15866.2**		

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Included in Other 100% Filament Yarn below

b. Includes marquisettes, ninons, sheers, industrials and twills

c. Includes marquisettes, ninons, sheers, industrials, taffetas and satins

d. Includes household fabrics (marquisettes, drapery, upholstery, etc.)

e. Includes filament combinations, chiefly rayon, and saran & olefin. Also includes 100% filament acetate (except taffetas) for 1st & 2nd Q 1981 and 1981 total

f. Except blanketing

g. Included in All Other Spun Polyester Blends With Cotton below

h. Includes carded broadcloth

i. Includes overdyed fabrics

j. Includes seersucker and piece dyed pattern fabrics. Also includes corduroy for 3rd & 4th Q 1981 and 1981 total

k. Does not include blanketing, except for polyester blanketing in 3rd & 4th Q 1981 and 1981 total

m. Included in Spun Polyester Blends With Wool above for 3rd & 4th Q 1981 and 1981 total

n. Except glass

o. Includes tie, twisted paper yarn and girdle & swimwear fabrics

SELECTED U.S.MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982						2 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
RAYON+ACETATE YARN, MONOFIL & STRIPS								
CANADA	0	15					15	445
MEXICO	155	76					231	240
BELGIUM	11	0					11	150
WEST GERMANY	502	275					777	532
NETHERLANDS	86	77					163	820
SPAIN	40	81					121	142
UNITED KINGDOM	0	0					0	11
JAPAN	20	42					62	104
ALL OTHER COUNTRIES[a]	47	22					69	24
TOTAL R+A YARN	**861**	**588**					**1449**	**2335**
RAYON+ACETATE STAPLE+TOW								
CANADA	155	167					322	315
AUSTRIA	605	40					645	844
FRANCE	1	52					53	101
WEST GERMANY	42	44					86	
ITALY	0	0					0	12
SWEDEN	404	0					404	966
UNITED KINGDOM	117	2					119	992
AUSTRALIA	154	0					154	0
JAPAN	149	24					173	247
ALL OTHER COUNTRIES[b]	0	80					80	0
TOTAL R+A STAPLE	**1686**	**409**					**2095**	**3005**
NON-CELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	295	156					451	148
COSTA RICA	117	27					144	0
MEXICO	0	1					1	54
FRANCE	128	114					242	224
WEST GERMANY	581	362					943	638
ITALY	24	2					26	204
NETHERLANDS	2	1					3	1
UNITED KINGDOM	67	48					115	171
JAPAN	453	661					1114	971
ALL OTHER COUNTRIES[c]	16	6					22	111
TOTAL N.C. YARN	**1683**	**1378**					**3061**	**2502**
NON-CELLULOSIC STAPLE+TOW								
CANADA	439	310					749	1078
MEXICO	177	27					204	218
BELGIUM	29	31					60	140
FRANCE	219	194					413	841
WEST GERMANY	730	752					1482	2504
IRELAND	0	39					39	56
ITALY	58	23					81	820
NETHERLANDS	141	89					230	49
ROMANIA	50	106					156	0
UNITED KINGDOM	195	250					445	710
JAPAN	588	461					1049	1103
TAIWAN	616	194					810	1060
ALL OTHER COUNTRIES[d]	16	5					21	98
TOTAL N.C. STAPLE	**3258**	**2481**					**5739**	**8329**

Other countries supplying 1982 poundages are

a. Austria 20, France 44 & Italy 5

b. Finland 80

c. Austria 7, Belgium 2, Ireland 1, South Korea 4, Romania 1, Sweden 5 & Switzerland 2

d. Austria 2, East Germany 15, Hong Kong 1 & Switzerland 3

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1 - 1 - 78	1982						2 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1982	1981
RAYON+ACETATE									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	5	0					5	11
OTHER	310.0130 & .0230[a]	856	586					1442	2321
MONOFILAMENTS	309.0510 & .0610	0	2					2	3
STRIPS $1 LB & UNDER	309.2000 *	0	0					0	0
SUBTOTAL ABOVE		**861**	**588**					**1449**	**2335**
STAPLE	309.4320 & .4325	1510	409					1919	2633
GROUPED FILAMENTS	309.3010 & .3110	176						176	372
SUBTOTAL ABOVE		**1686**	**409**					**2095**	**3005**
WASTE, ADVANCED & NOT ADVANCED	309.6015 & .7510	0	0					0	44
NON-CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	423	174					597	414
POLYESTER	310.0110 & .0210	231	43					274	54
OTHER	310.0114 & .0214	32	26					58	73
OTHER - NYLON	310.0149 & .0249	111	211					322	729
POLYESTER	310.0150 & .0250	551	691					1242	522
OTHER	310.0170 & .0270[b]	164	81					245	333
MONOFILAMENTS	309.0200 & .0330[c]	140	139					279	345
STRIPS, OVER $1 LB	309.2100 & .2500 *	31	13					44	32
SUBTOTAL ABOVE		**1683**	**1378**					**3061**	**2502**
STAPLE - NYLON		392	209					601	3211
POLYESTER	309.4342	487	517					1004	243
ACRYLIC	309.4345	526	474					1000	2663
OLEFIN	309.4350	1	30					31	5
OTHER	309.4355	899	292					1191	1430
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	460	530					990	118
POLYESTER	309.3040 & .3140	0	0					0	42
ACRYLIC	309.3050 & .3150	297	376					673	436
OTHER	309.3065 & .3165	196	53					249	181
SUBTOTAL ABOVE		**3258**	**2481**					**5739**	**8329**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647					3529	3185
POLYESTER	309.6630	1398	775					2173	2881
ACRYLIC	309.6645	0	184					184	547
OTHER	309.6660	433	229					662	235
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20					20	0
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17					67	182
SUBTOTAL ABOVE		**3763**	**2872**					**6635**	**7030**
TOTAL MAN-MADE ABOVE		**11251**	**7728**					**18979**	**23245**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0					0	
NON CELLULOSIC	310.1015[d] & .1109[e]	407	110					517	392
OTHER - CELLULOSIC	310.1030 & .1135[f]		6					6	16
NON CELLULOSIC	310.1050 & .1070[g]	200	18					218	47
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0					28	35
OTHER	310.4015 & .4027[i]	1570	1253					2823	3216
OTHER YARNS - NES INCL CHENILLE	310.6020 - .8000	205	89					294	461
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203					369	477
SLIVER, TOPS & ROVING	309.9000	434	309					743	861
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092					2829	1597
GRAND TOTAL ABOVE		**15998**	**10808**					**26806**	**30347**

SOURCE: U.S. Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA MILLION POUNDS

ITEM	1982						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	19.1	16.9	17.7				53.7	64.0
NYLON[e] INDUSTRIAL[f]	20.2	20.2	41.5				80.0	100.1
LOW DENIER INDUSTRIAL[g]	2.6	2.5	2.0				7.5	9.8
CARPET	40.5	45.5	40.0				129.0	109.2
TEXTILE	27.9	27.0	29.5				84.4	108.7
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8				74.8	75.0
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9				5.6	6.7
TEXTILE	75.4	87.8	88.5				251.7	302.1
OLEFIN[h]	51.0	52.0	54.7				157.8	160.2
TOTAL NON-CELLULOSIC ABOVE[i]	248.5	267.8	281.5				797.8	974.4
STAPLE+TOW+FIBERFILL[j]								
RAYON	30.3	28.9	29.1				88.3	114.2
NYLON[e]	48.0	48.5	49.7				146.2	212.1
ACRYLIC+MODACRYLIC	45.8	47.7	61.0				154.5	185.3
POLYESTER	173.3	170.4	174.0				517.7	622.2
OLEFIN+VINYON	8.3	10.2	11.2				29.7	32.3
TOTAL NON-CELLULOSIC ABOVE	275.4	282.6	295.9				853.9	1051.9
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	12.4	11.7	13.5				13.5	15.8
NYLON[e] INDUSTRIAL[f]	41.7	47.6	35.1				35.1	45.7
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1				4.1	5.1
CARPET	62.5	58.0	55.9				55.9	58.5
TEXTILE	50.9	52.0	51.1				51.1	41.8
POLYESTER INDUSTRIAL[f]	25.7	25.1	29.2				29.2	21.3
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8				3.8	4.5
TEXTILE	95.4	89.0	95.4				95.4	87.3
OLEFIN[h]	64.5	64.0	64.5				64.5	61.0
TOTAL NON-CELLULOSIC ABOVE[i]	344.8	335.4	330.5				330.5	292.6
STAPLE+TOW+FIBERFILL								
RAYON	32.6	35.6	38.2				38.2	29.3
NYLON[e]	63.9	58.7	59.3				59.3	57.3
ACRYLIC+MODACRYLIC	68.6	65.2	60.2				60.2	74.5
POLYESTER	180.4	191.9	189.2				189.2	190.5
OLEFIN+VINYON	30.0	31.5	31.6				31.6	16.2
TOTAL NON-CELLULOSIC ABOVE	342.9	347.1	340.3				340.3	318.1

WOOL & COTTON CONSUMPTION

APPAREL CLASS WOOL	11.6	10.8					22.4	23.2
CARPET CLASS WOOL	0.7	0.9					1.6	1.5
TOTAL RAW WOOL	12.3	11.7					24.0	24.7
RAW COTTON	207.2	195.8	222.3				625.3	700.0

a Year-to-date totals except for stock, which is the latest month's data.

b The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c Producers' total domestic plus export shipments.

d Rayon yarn data are available annually only; see page 21 of the February issue.

e Data for nylon include aramid.

f Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h Olefin yarn+monofilaments also includes spun bonded polypropylene and film fiber produced for textile end uses.

i Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j Acetate staple+tow data are available annually only; see page 21 of the February issue.

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MONTHLY REVIEW

Highlights

First quarter U.S. man-made fiber production (except acetate staple+tow and rayon, saran & spandex yarn+monofilaments) totaled 2,005.5 million pounds.

Following are the first quarter 1982 and the fourth quarter 1981 production data (million pounds) and the percentage change, respectively: acetate yarn 52.9 & 54.8 & -3½%; rayon staple+tow 95.4 & 111.7 & -15%; non-cellulosic yarn+monofilaments 785.7 & 834.2 & -6%; non-cellulosic staple+tow 864.6 & 940.8 & -8%; and textile glass fiber 206.9 & 263.2 & -21%.

APRIL SHIPMENTS DECLINED 3½%

April shipments of non cellulosic fibers (except saran and spandex) totaled 554.5 million pounds, a decline of 3½% from March deliveries of 574.9 million pounds. January-April 1982 deliveries totaled 2,200.6 million pounds, 21% less than the 2,786.8 million pounds shipped during the first four months of 1981.

Deliveries last month of non-cellulosic yarn+monofilaments (except saran and spandex) totaled 273.4 million pounds, 2% below March shipments of 278.8 million pounds and 24% below April 1981 deliveries of 359.9 million pounds. For the year to date, filament yarn shipments totaled 1,065.4 million pounds, 20% less than the 1,334.3 million pounds delivered during the January-April 1981 period.

Non-cellulosic staple+tow shipments during April totaled 281.1 million pounds, 5% less than March deliveries of 296.1 million pounds and 30% below April 1981 shipments of 400.6 million pounds. For the first four months of 1982, staple+tow shipments totaled 1,135.2 million pounds, 22% less than shipments of the corresponding 1981 period.

YEAR-TO-DATE SHIPMENTS COMPARED

Following is a comparision of 1982 year-to-date shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with the corresponding 1981 period (million pounds), and the percentage change, respectively: nylon industrial yarn 118.0 & 142.0 & -17%; low denier industrial 10.0 & 12.6 & -21%; carpet 175.7 & 269.6 & -35%; textile 112.8 & 146.0 & -23%; polyester industrial yarn 101.1 & 104.1 & -3%; low denier industrial 7.5 & 9.6 & -22%; textile 339.9 & 425.7 & -20%; olefin 200.4 & 224.7 & -11% and the total of these fibers 1,065.4 & 1,334.3 & -20%.

For non-cellulosic staple+tow, the corresponding data are: nylon 201.9 & 292.1 & -31%; acrylic+modacrylic 207.2 & 250.6 & -17%; polyester 685.4 & 865.8 & -21%; olefin+vinyon 40.7 & 44.0 & -7½% and the total 1,135.2 & 1,452.5 & -22%.

APRIL AND MARCH SHIPMENTS COMPARED

Following is a comparison of total April shipments of non-cellulosic yarn+monofilaments (except saran and spandex) with March (million pounds), and the percentage change, respectively; nylon industrial yarn 31.1 & 31.5 & -1½%; low denier industrial 2.5 & 2.6 & -4%; carpet 46.1 & 46.0 & marginal change; textile 28.4 & 29.5 & -3½%; polyester industrial yarn 26.3 & 27.8 & -5½%; low denier industrial 1.9 & 1.9 & unchanged; textile 88.2 & 88.5 & -½%; olefin 48.9 & 51.0 & -4% and the total of these fibers 273.4 & 278.8 & -2%.

Similarly, for non-cellulosic staple+tow, the corresponding data are: nylon 55.9 & 49.7 & +12%; acrylic +modacrylic 52.7 & 61.0 & -14%; polyester 161.7 & 174.0 & -7%; olefin+vinyon 10.8 & 11.4 & -5½% and the total 281.1 & 296.1 & -5%.

CELLULOSIC SHIPMENTS UP 9%

April shipments of acetate yarn+monofilaments and rayon staple+tow totaled 51.0 million pounds, an increase of 9% from the 46.8 million pounds delivered during March, but 26% less than the 68.5 million pounds shipped in April 1981. For the first four months of 1982, shipments totaled 193.0 million pounds, 22% less than the 246.7 million pounds shipped during the corresponding 1981 period.

Acetate yarn+monofilament deliveries during April totaled 19.4 million pounds, 9½% above March shipments of 17.7 million pounds, but 28% below April 1981 levels. For the January-April 1982 period, shipments were 73.1 million pounds, 20% less than those of the corresponding 1981 period.

April deliveries of rayon staple+tow totaled 31.6 million pounds, an increase of 8½% from March shipments of 29.1 million pounds, but 24% less than deliveries of the corresponding 1981 month. January-April 1982 shipments of 119.9 million pounds were 23% below the 155.6 million pounds delivered during the corresponding 1981 period.

APRIL CONSUMPTION OF COTTON FELL 7%

U.S. mill consumption of cotton during April totaled 213.5 million pounds, 7% less than the 229.8 million pounds consumed in March. For 1982 to date, U.S. mills consumed 846.3 million pounds of cotton, 11% less than the 948.0 million pounds consumed during the corresponding 1981 period.

Consumption of cotton in the first quarter of 1982 totaled 632.8 million pounds, 1½% above the 624.1 million pounds consumed during the fourth quarter of 1981, but 11% less than the 709.9 million pounds mills used during the first quarter of 1981.

1974-1975 AND 1981-1982 COMPARED

Because of the similarities between the current situation in the man-made fiber industry and that of the 1974-75 period, the following analysis is presented to both highlight these similarities and point out differences.

Prior to the 1974-75 recession, non-cellulosic fiber shipments peaked in May 1974, at 566.5 million pounds; bottomed out in December 1974, at 267.6 million pounds; and hit a postrecession high of 601.2 million pounds in September 1975. The peak-to-trough decline was 53%, followed by a 125% climb to the postrecession high.

Between May and August 1974, shipments declined 3½% to 546.0 million pounds, or at a compound monthly rate of 1.2%. However, the monthly rate of decline accelerated from that point, averaging 16.3% to the trough in December 1974. Overall, from May to December 1974, non-cellulosic shipments fell at a monthly compounded rate of 10.2%.

Following the December trough, non-cellulosic fiber shipments climbed steadily to the high of 601.2 million pounds reached in September 1975. The average monthly rate of growth during this period was 9.4%.

Over the peak-to-trough-to-peak cycle of the 1974-75 period, non-cellulosic fiber shipments fell for seven

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Textile Organon

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months at a monthly rate of 10.2%, followed by a 9-month climb at 9.4% per month.

Data for the 1981-82 cycle are incomplete as only the peak-to-trough half of the cycle has been completed. The pre-recession peak occurred in April 1981, at 760.5 million pounds, one month earlier than in 1974. The trough occurred in January 1982, at 522.4 million pounds. Thus, from peak to trough, non-cellulosic fiber shipments fell 31%. This compares with the 53% decline recorded during the 1974-75 cycle.

On a monthly basis, non-cellulosic shipments fell at a compounded rate of 2.9% between April and August 1981. From this point, shipments declined at an average monthly rate of 5.1% through January 1982. Thus, the average monthly rate of decline between April 1981 and January 1982 was 4.1%.

From January to April of this year, non-cellulosic shipments have risen 6%, to 554.5 million pounds. On a monthly basis this represents a compounded growth rate of 2.0%. For the similar 1975 period, non-cellulosic shipments rose by 46%, or at a monthly rate of 13.4%.

The similarities between 1974-75 and 1981-82 are mostly on the downside, with the decline in 1981-82 being slower, a 4.1% monthly rate versus 10.2% in 1974; and two months longer, 9 months versus 7 months. However, by the third month after the bottom, shipments had risen at a monthly rate of 14.6% during the 1974-75 cycle, whereas during the current cycle they have risen at a monthly rate of only 2.0%.

FIRST QUARTER PRODUCTION DECLINED 9%

Production of man-made fibers (except acetate staple+tow and rayon, saran & spandex yarn+monofilament) totaled 2,005.5 million pounds during the first quarter of 1982, a decline of 199.2 million pounds or 9% below the 2,204.7 million pounds produced during the October-December quarter of 1981. The January-March 1982 quarter output was 470.0 million pounds, or 19%, below the 2,475.5 million pounds produced during the first quarter of 1981.

Non-cellulosic yarn+monofilament production (except saran and spandex) totaled 785.7 million pounds during the first quarter of 1982, 6% below fourth quarter 1981 output of 834.2 million pounds and 20% below the 977.7 million pounds produced during the corresponding 1981 quarter. January-March 1982 output of non-cellulosic staple+tow totaled 864.6 million pounds, 8% below fourth quarter 1981 and 20% below the 1,083.0 million pounds produced during the first quarter of 1981. Only first quarter 1982 production of olefin yarn+monofilaments and acrylic+modacrylic staple+tow exceeded fourth quarter 1981 levels. First quarter production of non-cellulosic yarn+monofilaments (except saran and spandex) and non-cellulosic staple+tow were at their lowest levels since the third and fourth quarters of 1976 respectively.

First quarter 1982 production of acetate yarn totaled 52.9 million pounds, 3½% below the 54.8 million pounds produced the previous quarter and 14% below the January-March 1981 output of 61.4 million pounds. Rayon staple+tow production during the first quarter of 1982 declined 15%, to 95.4 million pounds, from fourth quarter 1981 levels and was 18% below the 116.3 million pounds produced during the corresponding 1981 quarter.

Output of textile glass fiber during the latest quarter totaled 206.9 million pounds, a decrease of 21% from fourth quarter 1981 production of 263.2 million pounds and 13% below the output of the corresponding 1981 quarter.

FIRST QUARTER SHIPMENTS OFF 10%

Shipments of man-made fibers (except acetate staple +tow and rayon, saran & spandex yarn+monofilaments) totaled 1,989.4 million pounds during the first quarter of this year, a decrease of 8½% from the previous quarter's deliveries and 18% below deliveries of the corresponding 1981 quarter.

January-March 1982 deliveries of non-cellulosic yarn +monofilaments (except saran and spandex) were 792.0 million pounds, 5% less than the 831.6 million pounds shipped during the fourth quarter of 1981 and 19% less than deliveries during the first quarter of 1981. Non-cellulosic staple+tow shipments during the latest quarter totaled 854.1 million pounds, 10% less than deliveries of the fourth quarter of 1981 and 19% less than the 1,051.9 million pounds shipped during the first quarter of 1981. First quarter 1982 exports of polyester staple+tow totaled 86.4 million pounds, a decline of 44% from fourth quarter 1981 levels.

First quarter 1982 shipments of acetate yarn totaled 53.7 million pounds, 1% above fourth quarter 1981 deliveries of 53.1 million pounds, but 16% below the 64.0 million pounds shipped during the first quarter of 1981. Rayon staple+tow shipments during the latest quarter stood at 88.3 million pounds, 18% less than fourth quarter 1981 levels and 23% below the 114.2 million pounds shipped during the corresponding 1981 quarter.

Textile glass fiber deliveries during the January-March quarter of 1982 totaled 201.3 million pounds, 15% less than fourth quarter 1981 shipments and 13% below first quarter 1981 deliveries of 232.2 million pounds.

FIRST QUARTER EXPORTS FELL 12%

The chart on page 100 and table on page 101 detail U.S. man-made fiber exports as reported by the U.S. Census Bureau. These differ from the exports shown on pages 92 and 93 in that they contain exports from all sources (not just from fiber producers) and in timing.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
YARN+MONOFILAMENTS[a]															
ACETATE															
PRODUCTION	80.0	82.1	77.5	68.9	308.5	61.4	73.0	65.8	54.8	257.0	52.9				
SHIPMENTS DOMESTIC	72.9	71.9	64.7	59.7	269.2	53.4	69.9	57.6	45.4	226.3	44.9				
EXPORT	7.8	8.7	7.7	8.5	32.7	10.6	8.8	7.7	7.7	34.8	8.8				
TOTAL	80.7	80.6	72.4	68.2	301.9	64.0	78.7	65.3	53.1	261.1	53.7				
ENDING STOCK	11.1	12.6	17.7	18.4		15.8	12.1	12.6	14.3		13.5				
NYLON+ARAMID															
PRODUCTION	453.1	398.3	331.9	447.8	1631.1	435.1	428.0	403.9	313.7	1580.7	299.9				
SHIPMENTS DOMESTIC	416.0	350.9	347.7	424.3	1538.9	380.5	386.1	340.4	297.3	1404.3	283.9				
EXPORT	35.2	34.0	38.8	40.0	148.0	40.3	35.5	29.9	23.0	128.7	24.5				
TOTAL	451.2	384.9	386.5	464.3	1686.9	420.8	421.6	370.3	320.3	1533.0	308.4				
ENDING STOCK	162.3	175.7	121.1	104.6		118.9	125.3	158.9	152.3		143.8				
OLEFIN[b]															
PRODUCTION	168.1	152.8	146.8	164.5	632.2	163.9	165.0	163.5	150.5	642.9	154.3				
SHIPMENTS DOMESTIC	156.9	143.9	147.3	163.6	611.7	164.3	158.6	155.0	150.4	628.3	146.8				
EXPORT	6.2	5.3	4.4	4.8	20.7	4.9	5.7	4.6	4.6	19.8	4.7				
TOTAL	163.1	149.2	151.7	168.4	632.4	169.2	164.3	159.6	155.0	648.1	151.5				
ENDING STOCK	72.1	75.7	70.8	66.9		61.6	62.3	66.2	61.7		64.5				
POLYESTER															
PRODUCTION	396.2	338.7	337.9	389.2	1462.0	378.7	416.6	403.9	370.0	1569.2	331.5				
SHIPMENTS DOMESTIC	369.2	310.7	320.4	363.1	1363.4	354.1	392.5	364.8	318.6	1430.0	297.2				
EXPORT	34.4	41.0	28.6	29.1	133.1	30.3	31.9	34.1	37.7	134.0	34.9				
TOTAL	403.6	351.7	349.0	392.2	1496.5	384.4	424.4	398.9	356.3	1564.0	332.1				
ENDING STOCK	144.9	131.9	120.8	117.8		112.1	104.3	109.3	123.0		122.4				
TOTAL NON-CELLULOSIC ABOVE															
PRODUCTION	1017.4	889.8	816.6	1001.5	3725.3	977.7	1009.6	971.3	834.2	3792.8	785.7				
SHIPMENTS DOMESTIC	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	727.9				
EXPORT	75.8	80.3	71.8	73.9	301.8	75.5	73.1	68.6	65.3	282.5	64.1				
TOTAL	1017.9	885.8	887.2	1024.9	3815.8	974.4	1010.3	928.8	831.6	3745.1	792.0				
ENDING STOCK	379.3	383.3	312.7	289.3		292.6	291.9	334.4	337.0		330.7				
DOMESTIC SHIPMENTS	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	727.9				
IMPORTS TEXTURED YARN[c]	0.6	0.9	1.9	1.7	5.1	1.4	2.7	2.1	2.2	8.4	2.0				
OTHER YARN[c]	3.1	3.7	3.0	2.3	12.1	2.2	3.1	3.3	2.8	11.4	2.8				
MONOFILAMENTS	1.4	1.3	0.8	0.5	4.0	0.5	0.8	0.9	0.4	2.6	0.4				
TOTAL IMPORTS	5.1	5.9	5.7	4.5	21.2	4.1	6.6	6.3	5.4	22.4	5.2				
TOTAL AVAILABLE	947.2	811.4	821.1	955.5	3535.2	903.0	943.8	866.5	771.7	3485.0	733.1				
TEXTILE GLASS FIBER															
PRODUCTION	242.3	224.0	183.3	217.7	867.3	237.1	260.2	280.6	263.2	1041.1	206.9				
SHIPMENTS DOMESTIC	249.7	181.2	182.4	253.8	867.1	222.4	273.8	239.0	228.6	963.8	189.8				
EXPORT	15.2	13.8	10.1	9.5	48.6	9.8	7.5	8.5	9.4	35.2	11.5				
TOTAL	264.9	195.0	192.5	263.3	915.7	232.2	281.3	247.5	238.0	999.0	201.3				
ENDING STOCK	129.9	158.9	149.7	104.1		109.0	87.9	121.0	146.2		151.8				
IMPORTS	2.0	2.0	1.7	1.6	7.3	2.6	2.7	7.4	5.5	18.2	3.8				
TOTAL AVAILABLE	251.7	183.2	184.1	255.4	874.4	225.0	276.5	246.4	234.1	982.0	193.6				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" non-cellulosic yarns (chiefly saran & spandex) are available annually only; see pages 20 & 21 of the February issue for further details on these yarns.

b. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

c. Yarn imports include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 20 & 21 of the February issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

The exports on pages 92 and 93 are direct export shipments by the fiber producer and were shipped by the fiber producer during that quarter. These shipments, plus any from other sources such as yarn texturizers, throwsters, etc., are counted by the Census in the quarter they are shipped from a U.S. port, which may or may not coincide with the shipping quarter of the producer.

(Continued on page 95)

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
								STAPLE+TOW^d							
RAYON															
PRODUCTION	126.9	113.4	101.0	102.0	443.3	116.3	114.1	118.5	111.7	460.6	95.4				
SHIPMENTS DOMESTIC	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9	75.7				
EXPORT	14.0	17.8	16.2	13.0	61.0	14.0	15.2	14.2	16.4	59.8	12.6				
TOTAL	128.2	110.4	103.5	109.6	451.7	114.2	119.7	114.9	107.9	456.7	88.3				
ENDING STOCK	34.3	37.3	34.8	27.2		29.3	23.7	27.3	31.1		38.2				
DOMESTIC SHIPMENTS	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9	75.7				
IMPORTS FOR CONSUMPTION															
STAPLE	1.4	1.3	2.4	2.9	8.0	3.6	3.3	3.9	3.8	14.6	3.5				
GROUPED FILAMENTS	0.7	0.7	0.3	0.6	2.3	0.4	0.7	0.6	0.5	2.2	0.3				
TOTAL IMPORTS	2.1	2.0	2.7	3.5	10.3	4.0	4.0	4.5	4.3	16.8	3.8				
TOTAL AVAILABLE	116.3	94.6	90.0	100.1	401.0	104.2	108.5	105.2	95.8	413.7	79.5				
NYLON+ARAMID															
PRODUCTION	214.0	128.3	161.2	223.1	726.6	214.9	235.2	183.8	117.9	751.8	140.5				
SHIPMENTS DOMESTIC	171.9	133.2	187.6	218.5	711.2	204.8	215.9	155.4	120.3	696.4	141.9				
EXPORT	8.8	6.1	7.7	9.3	31.9	7.3	8.1	4.5	5.2	25.1	4.1				
TOTAL	180.7	139.3	195.3	227.8	743.1	212.1	224.0	159.9	125.5	721.5	146.0				
ENDING STOCK	84.3	73.3	39.2	34.5		37.3	48.5	72.4	64.8		59.3				
IMPORTS	0.3	0.5	0.3	0.6	1.7	4.9	6.6	9.3	2.8	23.6	1.0				
TOTAL AVAILABLE	172.2	133.7	187.9	219.1	712.9	209.7	222.5	164.7	123.1	720.0	142.9				
ACRYLIC+MODACRYLIC															
PRODUCTION	206.4	197.7	182.1	193.0	779.2	190.8	176.8	166.8	156.4	690.8	149.6				
SHIPMENTS DOMESTIC	161.6	155.7	124.9	143.1	585.3	130.2	137.0	123.5	103.4	494.1	108.1				
EXPORT	50.6	43.9	47.1	44.2	185.8	55.1	50.3	42.5	52.5	200.4	46.4				
TOTAL	212.2	199.6	172.0	187.3	771.1	185.3	187.3	166.0	155.9	694.5	154.5				
ENDING STOCK	54.9	53.0	63.1	68.8		74.3	63.8	64.6	65.1		60.2				
IMPORTS	3.4	4.3	2.6	3.0	13.3	3.6	2.7	2.0	2.2	10.5	2.0				
TOTAL AVAILABLE	165.0	160.0	127.5	146.1	598.6	133.8	139.7	125.5	105.6	504.6	110.1				
OLEFIN+VINYON															
PRODUCTION	30.7	30.3	26.5	28.2	115.7	31.3	35.1	37.1	38.5	142.0	35.8				
SHIPMENTS DOMESTIC	28.9	26.3	27.0	32.8	115.0	31.9	35.5	32.2	32.4	132.0	29.3				
EXPORT	1.4	0.5	1.0	0.8	3.7	0.4	0.3	0.4	0.4	1.5	0.6				
TOTAL	30.3	26.8	28.0	33.6	118.7	32.3	35.8	32.6	32.8	133.5	29.9				
ENDING STOCK	20.6	24.1	22.6	17.2		16.2	15.5	20.0	25.7		31.6				
POLYESTER															
PRODUCTION	654.3	583.2	589.6	699.6	2526.7	646.0	668.9	663.6	628.0	2606.5	538.7				
SHIPMENTS DOMESTIC	563.1	483.8	466.8	557.3	2071.0	493.2	525.9	507.5	478.8	2005.4	437.3				
EXPORT	84.8	111.1	136.2	136.3	468.4	129.0	148.2	161.6	154.6	593.4	86.4				
TOTAL	647.9	594.9	603.0	693.6	2539.4	622.2	674.1	669.1	633.4	2598.8	523.7				
ENDING STOCK	185.6	173.9	160.5	166.5		190.3	185.1	179.6	174.2		189.2				
IMPORTS	0.4	0.3	0.3	0.3	1.3	0.5	1.9	1.8	2.4	6.6	1.9				
TOTAL AVAILABLE	563.5	484.1	467.1	557.6	2072.3	493.7	527.8	509.3	481.2	2012.0	439.2				
TOTAL NON-CELLULOSIC															
PRODUCTION	1105.4	939.5	959.4	1143.9	4148.2	1083.0	1116.0	1051.3	940.8	4191.1	864.6				
SHIPMENTS DOMESTIC	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6				
EXPORT	145.6	161.6	192.0	190.6	689.8	191.8	206.9	209.0	212.7	820.4	137.5				
TOTAL	1071.1	960.6	998.3	1142.3	4172.3	1051.9	1121.2	1027.6	947.6	4148.3	854.1				
ENDING STOCK	345.4	324.3	285.4	287.0		318.1	312.9	336.6	329.8		340.3				
DOMESTIC SHIPMENTS	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE^e	4.1	5.2	3.3	3.9	16.5	9.0	11.2	13.1	7.4	40.7	4.9				
OTHER N.C. STAPLE	3.9	3.4	3.1	4.2	14.6	2.4	3.3	4.0	1.0	10.7	1.8				
GROUPED FILAMENTS	1.6	1.3	0.6	1.0	4.5	1.3	2.0	2.1	2.6	8.0	2.9				
TOTAL IMPORTS	9.6	9.9	7.0	9.1	35.6	12.7	16.5	19.2	11.0	59.4	9.6				
TOTAL AVAILABLE	935.1	808.9	813.3	960.8	3518.1	872.8	930.8	837.8	745.9	3387.3	726.2				

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U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	4TH Q 1980			1ST Q 1981			2ND Q 1981			3RD Q 1981			4TH Q 1981			1ST Q 1982		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
RAYON+ACETATE																		
YARN+MONOFILAMENTS	2.0	7.1	5.1 E	3.4	8.4	5.0 E	2.6	6.0	3.4 E	2.6	4.5	1.9 E	2.1	5.8	3.7 E	1.9	7.4	5.5 E
STAPLE+TOW[b]	3.5	12.9	9.4 E	4.0	15.9	11.9 E	4.0	16.3	12.3 E	4.5	15.0	10.5 E	4.3	15.0	10.7 E	3.9	14.7	10.8 E
WASTE	0.1	0.8	0.7 E	0.1	0.7	0.6 E	0.1	0.8	0.7 E	0.1	0.4	0.3 E	0.2	0.9	0.7 E	0.1	1.0	0.9 E
SUBTOTAL ABOVE	**5.6**	**20.8**	**15.2 E**	**7.5**	**25.0**	**17.5 E**	**6.7**	**23.1**	**16.4 E**	**7.2**	**19.9**	**12.7 E**	**6.6**	**21.7**	**15.1 E**	**5.9**	**23.1**	**17.2 E**
NON-CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	3.8	92.1	88.3 E	3.4	115.7	112.3 E	5.7	118.0	112.3 E	5.2	119.7	114.5 E	4.6	109.9	105.3 E	4.2	109.4	105.2 E
STAPLE+TOW	9.1	195.8	186.7 E	12.8	187.0	174.2 E	16.4	207.5	191.1 E	19.1	205.1	186.0 E	12.2	191.1	178.9 E	9.6	148.6	139.0 E
WASTE	6.2	22.4	16.2 E	11.9	25.7	13.8 E	11.0	27.9	16.9 E	12.5	25.0	12.5 E	14.4	28.7	14.3 E	10.3	28.5	18.2 E
SUBTOTAL ABOVE	**19.1**	**310.3**	**291.2 E**	**28.1**	**328.4**	**300.3 E**	**33.1**	**353.4**	**320.3 E**	**36.8**	**349.8**	**313.0 E**	**31.2**	**329.7**	**298.5 E**	**24.1**	**286.5**	**262.4 E**
TOTAL FIBER ABOVE[c]	**24.7**	**331.1**	**306.4 E**	**35.6**	**353.4**	**317.8 E**	**39.8**	**376.5**	**336.7 E**	**44.0**	**369.7**	**325.7 E**	**37.8**	**351.4**	**313.6 E**	**30.0**	**309.6**	**279.6 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	0.2	3.4	3.2 E	1.2	2.3	1.1 E	0.7	2.8	2.1 E	1.1	3.2	2.1 E	0.7	2.7	2.0 E	1.0	2.5	1.5 E
SPUN YARNS	4.9	9.8	4.9 E	6.8	14.6	7.8 E	8.2	13.4	5.2 E	6.7	9.3	2.6 E	6.6	8.4	1.8 E	6.1	7.6	1.5 E
THREAD & CRAFT YARNS	0.6	1.6	1.0 E	0.7	1.5	0.8 E	0.8	1.3	0.5 E	0.6	1.2	0.6 E	0.8	1.5	0.7 E	0.6	1.4	0.8 E
TIRE CORD & FABRIC	+	31.5	31.4 E	+	14.0	14.0 E	+	12.4	12.4 E	0.1	11.8	11.7 E	0.2	9.9	9.7 E	0.1	8.6	8.5 E
WOVEN FABRIC	15.8	70.0	54.2 E	21.4	57.4	36.0 E	25.7	61.5	35.8 E	26.0	45.4	19.4 E	22.3	44.2	21.9 E	21.2	31.3	10.1 E
KNIT FABRIC	1.5	6.3	4.8 E	0.6	5.7	5.1 E	0.4	7.3	6.9 E	0.5	4.9	4.4 E	0.6	3.8	3.2 E	0.6	3.6	3.0 E
NARROW FABRIC	1.6	6.1	4.5 E	1.9	6.2	4.3 E	2.4	6.9	4.5 E	2.3	6.4	4.1 E	2.1	6.7	4.6 E	2.4	6.4	4.0 E
APPAREL KNIT	39.7	32.0	54.5 I	32.8	33.0	50.3 I	47.2	35.1	74.0 I	60.7	27.8	111.3 I	44.0	24.8	80.6 I	34.2	21.5	81.2 I
NOT KNIT	46.8			50.5			61.9			78.4			61.4			68.5		
HOME FURNISHINGS	13.5	29.0	31.0 E	13.2	22.8	26.1 E	14.1	22.1	26.9 E	16.3	20.4	19.7 E	17.2	18.9	16.8 E	14.3	17.3	15.8 E
OTHER		15.5			16.5			18.9			15.6			15.1			12.8	
TOTAL MANUFACTURES	**124.7**	**205.2**	**80.5 E**	**129.1**	**174.0**	**44.9 E**	**161.4**	**181.7**	**20.3 E**	**192.7**	**146.0**	**46.7 I**	**155.9**	**136.0**	**19.9 I**	**149.0**	**113.0**	**36.0 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**149.4**	**536.3**	**386.9 E**	**164.7**	**527.4**	**362.7 E**	**201.2**	**558.2**	**357.0 E**	**236.7**	**515.7**	**279.0 E**	**193.7**	**487.4**	**293.7 E**	**179.0**	**422.6**	**243.6 E**
COTTON MANUFACTURES[e]	**173.6**	**116.9**	**56.7 I**	**237.3**	**103.1**	**134.2 I**	**231.2**	**105.6**	**125.6 I**	**258.0**	**79.8**	**178.2 I**	**235.4**	**78.8**	**156.6 I**	**211.5**	**65.4**	**146.1 I**
WOOL MANUFACTURES[f]	**21.6**	**5.7**	**15.9 I**	**23.5**	**3.5**	**20.0 I**	**29.2**	**3.4**	**25.8 I**	**36.5**	**2.7**	**33.8 I**	**24.4**	**2.7**	**21.7 I**	**21.8**	**3.1**	**18.7 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Situation,* a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and non-cellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man-Made Fiber Above" on pages 101 and 103 of this issue.

d. Man-made fiber equivalent.

e. Raw cotton equivalent. Data are similar to those on page 45 of the March 1982 *Organon.*

f. Raw wool content. The data differ from those on page 45 of the March *Organon* to the extent that noils and waste are included here.

ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1978			1979			1980			1981		
	TOTAL	TOTAL IMPORTS	% IMPORTS OF TOTAL	TOTAL	TOTAL IMPORTS	% IMPORTS OF TOTAL	TOTAL	TOTAL IMPORTS	% IMPORTS OF TOTAL	TOTAL	TOTAL IMPORTS	% IMPORTS OF TOTAL
COTTON												
IMPORTS OF YARN FOR APPAREL[a]	31	31		12	12		19	19		24	24	
+IMPORTS OF FABRIC FOR APPAREL[a b]	195	195		154	154		168	168		280	280	
+FABRIC FROM U.S. MILLS	1,457			1,524			1,539			1,309		
ORGANON END USE SURVEY COTTON APPAREL[c]	1,683	226		1,690	166		1,726	187		1,613	304	
+IMPORTS OF GARMENTS[a]	430	430		426	426		464	464		504	504	
EXPORTS OF GARMENTS[a]	62			91			181			123		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**2,051**	**656**	*32.0*	**2,025**	**592**	*29.2*	**2,009**	**651**	*32.4*	**1,994**	**808**	*40.5*
MAN-MADE FIBERS												
DOMESTIC SHIPMENTS FOR APPAREL[d]	3,103			3,111			3,142			3,050		
+IMPORTS OF FIBER YARN FOR APPAREL[e]	178	178		100	100		84	84		140	140	
+IMPORTS OF FABRIC FOR APPAREL[a f]	99	99		73	73		73	73		90	90	
EXPORTS OF SEMIMANUFACTURED PRODUCTS[a]	225			313			352			319		
ORGANON END USE SURVEY MMF APPAREL[c]	3,155	277		2,971	173		2,947	157		2,961	230	
+IMPORTS OF GARMENTS[a]	426	426		360	360		379	379		437	437	
EXPORTS OF GARMENTS[a]	49			61			127			121		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**3,532**	**703**	*19.9*	**3,270**	**533**	*16.3*	**3,199**	**536**	*16.8*	**3,277**	**667**	*20.4*
WOOL												
IMPORTS OF YARN FOR APPAREL[a]	6	6		4	4		4	4		5	5	
+IMPORTS OF FABRIC FOR APPAREL[a]	26	26		22	22		21	21		28	28	
+FABRIC FROM U.S. MILLS	107			106			100			115		
ORGANON END USE SURVEY WOOL APPAREL[c]	139	32		132	26		125	25		148	33	
+IMPORTS OF GARMENTS[a]	45	45		39	39		42	42		41	41	
EXPORTS OF GARMENTS[a]	6			6			15			4		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**178**	**77**	*43.3*	**165**	**65**	*39.4*	**152**	**67**	*44.1*	**185**	**74**	*40.0*
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5,761**	**1,436**	*24.9*	**5,460**	**1,190**	*21.8*	**5,360**	**1,254**	*23.4*	**5,456**	**1,549**	*28.4*

a. See page 45 of the March 1982 ***Organon***.

b. Total cotton fabric imports less estimated poundages for nonapparel uses.

c. See page 192 of the November 1981 ***Organon*** as revised.

d. Domestic shipments of man made fibers used in calculating the apparel end uses shown on page 192 of the November 1981 ***Organon***.

e. Grand Total man-made fiber imports from page 37 of the February 1982 ***Organon*** less estimated poundages for nonapparel uses.

f. Total man-made fiber fabric imports from page 45 of the March 1982 ***Organon*** less estimated poundages for nonapparel uses.

(Continued from page 92)

The U.S. Census Bureau reports that 320,882 thousand pounds of man-made fibers were exported during the first quarter of 1982, 12% less than the 362,986 thousand pounds exported during the fourth quarter of 1981. The biggest decline occurred in exports of polyester staple, which fell 31% during the first quarter of 1982, to 90,356 thousand pounds, from the fourth quarter 1981 level of 130,988 thousand pounds.

Exports of rayon+acetate filament yarn increased 27% during the first quarter of 1982, to 7,394 thousand pounds, from the 5,835 thousand pounds exported during the previous quarter. Rayon+acetate staple+tow exports declined 2% during the latest quarter, to 14,691 thousand pounds, from the 14,989 thousand pounds exported during the fourth quarter of 1981.

Non-cellulosic filament yarn during the first quarter of 1982 totaled 109,366 thousand pounds, ½% less than the 109,922 thousand pounds exported during the fourth quarter of 1981. Exports of non-cellulosic staple+tow during the latest quarter declined 22%, to 148,640 thousand pounds, from the 191,090 thousand pounds exported during the fourth quarter of 1981. As mentioned earlier, exports of polyester staple fell 31%. Also, exports of nylon staple declined 23% (to 4,018 thousand pounds) and exports of acrylic+modacrylic staple fell 8% (to 32,810 thousand pounds) during the first quarter of 1982.

Exports of textile glass fiber, at 11,318 thousand pounds, for the first quarter of 1982 were 2½% less than fourth quarter 1981 exports of 11,590 thousand pounds.

IMPORTS, EXPORTS & BALANCE

The **export balance** of man-made fibers and manufactures during the first quarter of 1982 totaled 243.6 million pounds, a decline of 50.1 million pounds, or 17%, from the fourth quarter 1981 **export balance** of 293.7 million pounds.

The **export balance** in man-made fibers during the January-March 1982 quarter totaled 279.6 million pounds, down 11% from the previous quarter, while man-made manufactures recorded an **import balance** of

U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	RAYON & ACETATE								NON-CELLULOSIC FIBERS[a]			TEX-TILE GLASS TOTAL[c]	GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*Den*	TOTAL	RAYON	ACE-TATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL		YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	868	4968	4598	9566
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	NA	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	NA	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	NA	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	NA	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	NA	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	NA	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	NA	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
MAY 1982[e]	58	318	*90*	376	510	4	514	890	4593	4923	9516	1695	6664	5437	12101
NOV 1982[f]	58	318	*90*	376	510	4	514	890	4684	4949	9633	1718	6778	5463	12241
MAY 1983[f]	58	318	*90*	376	510	4	514	890	4739	5021	9760	1754	6869	5535	12404
NOV 1983[f]	58	318	*90*	376	510	4	514	890	4762	5069	9831	1804	6942	5583	12525
MAY 1984[f]	58	318	*90*	376	510	4	514	890	4771	5076	9847	1815	6962	5590	12552

a. The non cellulosic fibers included are those listed in the September ***Organon*** issues each year. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple +tow includes fiberfill.

b. The acetate production and producing capacity data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of May 1982.

36.0 million pounds in the latest quarter, up 81% from the fourth quarter 1981 level.

First quarter 1982 imports of cotton manufactures exceeded exports, resulting in an **import balance** of 146.1 million pounds, 6½% less than the fourth quarter of 1982. The January-April 1982 **import balance** for wool manufactures totaled 18.7 million pounds, 14% less than the previous quarter.

U.S. APPAREL MARKET

The table on page 95 shows estimates of the 1978-1981 apparel market in the United States on a raw fiber basis. The table is based on available supply rather than actual consumption of apparel.

For 1981, total available supply of apparel was estimated at 5,456 million pounds, up 2% from 1980 and marginally below the 1979 level of 5,460 million pounds. However, in 1981 imports accounted for 28.4% of total available apparel, versus 23.4% in 1980 and 21.8% in 1979.

The rise in imported apparel was particularly large in the case of cotton, rising from 29.2% of the total in 1979 to 40.5% in 1981. For man-made fiber apparel, imports rose from 16.3% of the total in 1979 to 20.4% last year.

FIBER INDUSTRIES TO CUT BACK POLYESTER CAPACITY

Celanese Corporation announced recently that it was reducing polyester filament yarn capacity at its Fiber Industries, Inc., subsidiary by 200 million pounds by August 1, 1982. In announcing the move, Celanese said that the capacity reductions would affect partially oriented yarn (POY) capacity at its Shelby, NC and Greenville, SC plants.

Celanese said the Shelby plant will continue to produce polyester low denier industrial yarn, flat polyester

NON-CELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]										
	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]	OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
NOV 1970[d]	480	428	569	NA	294	316	NA	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	NA	337	559	NA	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	NA	364	892	NA	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	NA	385	1118	NA	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	NA	403	1351	NA	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	NA	391	1576	NA	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
MAY 1982[d]	518	920	532	*50*	337	1265	*115*	179	357	455	30	4593	987	844	2817	275	4923	9516
NOV 1982[e]	528	933	536	*50*	337	1265	*114*	226	369	460	30	4684	987	849	2832	281	4949	9633
MAY 1983[e]	533	950	537	*49*	340	1274	*115*	232	373	470	30	4739	1037	851	2852	281	5021	9760
NOV 1983[e]	538	955	539	*49*	343	1274	*115*	235	378	470	30	4762	1055	856	2877	281	5069	9831
MAY 1984[e]	546	960	523	*49*	345	1274	*115*	235	378	480	30	4771	1062	856	2877	281	5076	9847

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets. **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

[a] Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

[b] Olefin monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

[c] Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

[d] Actual producing capacity as of date shown.

[e] Future producing capacity planned for certain & dates as of May 1982.

textile filament and specialty POY and polymers. The Greenville plant will continue to produce some POY as well as flat polyester textile yarns. The company will continue to strengthen its capability to produce high-speed POY and will remain a factor in both flat and partially oriented yarns.

DU PONT TO REDUCE NYLON CAPACITY

The Du Pont Company recently announced plans to shut down permanently 65 million pounds of obsolete textile nylon fiber producing capacity at its Chattanooga, TN, plant. The shutdown will begin within the next 90 days and is expected to be completed by the end of 1983.

The Du Pont Company gave worldwide overcapacity of nylon fibers and the uncompetitiveness of the equipment being shut down as the main reasons for the closure. Du Pont pointed out that in the past five years, some 800 million pounds of nylon fiber capacity has been shut down worldwide.

Editor's note: While it is true some 800 million pounds of nylon capacity has been shut down, total world capacity has increased due to new plant openings. Between March 1978 and March 1981 (from the July ***Organon***), nylon capacity in West Europe, the U.S.A. and Japan had a net decline of 543 million pounds from their peaks, but capacity in East Europe, Other Americas and Other Africa, Asia & Oceania increased by 608 million pounds. However, these numbers do not take into account closures announced after March 1981.

U.S. MAN-MADE FIBR PRODUCING CAPACITY

As of the end of May, the U.S. man-made fiber producing industry had the capacity to produce 12,101 million pounds, ½% less than the capacity in place six months ago. The May 1982 capacity breaks down as: rayon+acetate fiber 890 million pounds; non-cellulosic yarn+monofilaments 4,593 million pounds, non-cellulosic staple 4,923 million pounds and textile glass 1,695 million pounds.

By May of 1984, total man-made fiber producing capacity is ***projected*** to be 12,552 million pounds, a 3½% increase over current levels. The May 1984 total and percentage from May 1982 divides as: rayon+acetate 890 million pounds & no change; non-cellulosic yarn 4,771 million pounds & +4%; non-cellulosic staple+tow 5,076 million pounds & +3% and textile glass fiber 1,815 million pounds & +7%.

Capacity is based on the current and projected "mix" of denier, filament counts, packages, etc. It is ***emphasised*** that all figures refer to current and planned capacity. ***They are not to be misinterpreted as a production forecast.*** See page 213 of the December 1981 ***Organon*** issue for a detailed discussion of the survey coverage and definitions.

NON-CELLULOSIC FIBER CAPACITY

May 1982 non-cellulosic fiber capacity stood at 9,516 million pounds, 2% less than November 1981's level. By

U.S. PRODUCTION OF HOSIERY, 1968-1981

MILLION DOZEN PAIRS

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
WOMEN'S														
PANTYHOSE SHEER	15.3	44.9	81.7	60.7	76.0	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3	59.6
ELASTOMER	1.6	14.2	6.7	4.8	2.3	3.8	4.7	8.8	13.8	19.4	27.7	33.2	36.7	42.5
OTHER[a]					2.6	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0	2.4
SUBTOTAL PANTYHOSE	**16.9**	**59.1**	**88.4**	**65.5**	**80.9**	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**	**104.5**
STOCKINGS NONSTRETCH	85.8	44.6	23.4	14.1	8.5	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0	1.8
STRETCH	16.9	19.1	9.5	11.0	7.1	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4	2.1
SUPPORT	1.9	2.8	1.8	1.3	0.9	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7	0.6
OTHER		2.1	1.6	1.1	0.7	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1	0.1
SUBTOTAL STOCKINGS	**104.6**	**68.6**	**36.3**	**27.5**	**17.2**	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**	**4.6**
SHEER KNEE HIGHS & ANKLETS	0.4	0.4	1.0	2.1	4.6	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4	42.6
TOTAL WOMEN'S	**121.9**	**128.1**	**125.7**	**95.1**	**102.7**	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**	**151.7**
MEN'S (SIZES 10 AND UP)														
ANKLETS & FOOTSOCKS	41.2	48.1	54.1	49.7	52.9	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9	27.8
MID-CALF	5.6	5.3	5.7	6.1	6.9	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4	19.9
KNEE HIGHS	3.3	3.8	4.4	3.9	3.7	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8	20.7
TOTAL MEN'S	**50.1**	**57.2**	**64.2**	**59.7**	**63.5**	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**	**68.4**
GIRLS', BOYS' & WOMEN'S (SIZES 8-11)														
ANKLETS	22.3	22.7	20.4	21.4	21.3	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5	14.6
KNEE HIGHS	6.2	10.2	10.4	11.9	14.2	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3	29.8
MID-CALF CREW	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	4.5
WAIST HIGHS													0.3	0.5
FOOTSOCKS	1.7	2.6	2.8	2.7	4.5	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6	9.4
TOTAL SIZES 8-11	**30.2**	**35.5**	**33.6**	**36.0**	**40.0**	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**	**58.8**
INFANTS' & CHILDREN'S (SIZES 3-8½)														
ANKLETS	15.2	15.9	15.3	15.6	17.3	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3	20.5
KNEE HIGHS	2.9	3.5	4.2	3.8	3.6	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6	7.7
MID-CALF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	1.2
WAIST HIGHS & FOOTSOCKS	NA	1.2	1.1	0.7	0.8	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.6	1.8
TOTAL SIZES 3-8½	**18.1**	**20.6**	**20.6**	**20.1**	**21.7**	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**	**31.2**
TOTAL HOSIERY	**220.3**	**241.4**	**244.1**	**210.9**	**227.9**	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**	**310.1**

SOURCE: National Association of Hosiery Manufacturers - *1981 Hosiery Statistics*.

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

May 1984, capacity is expected to have reached 9,847 million pounds, an increase of 3½% over current levels.

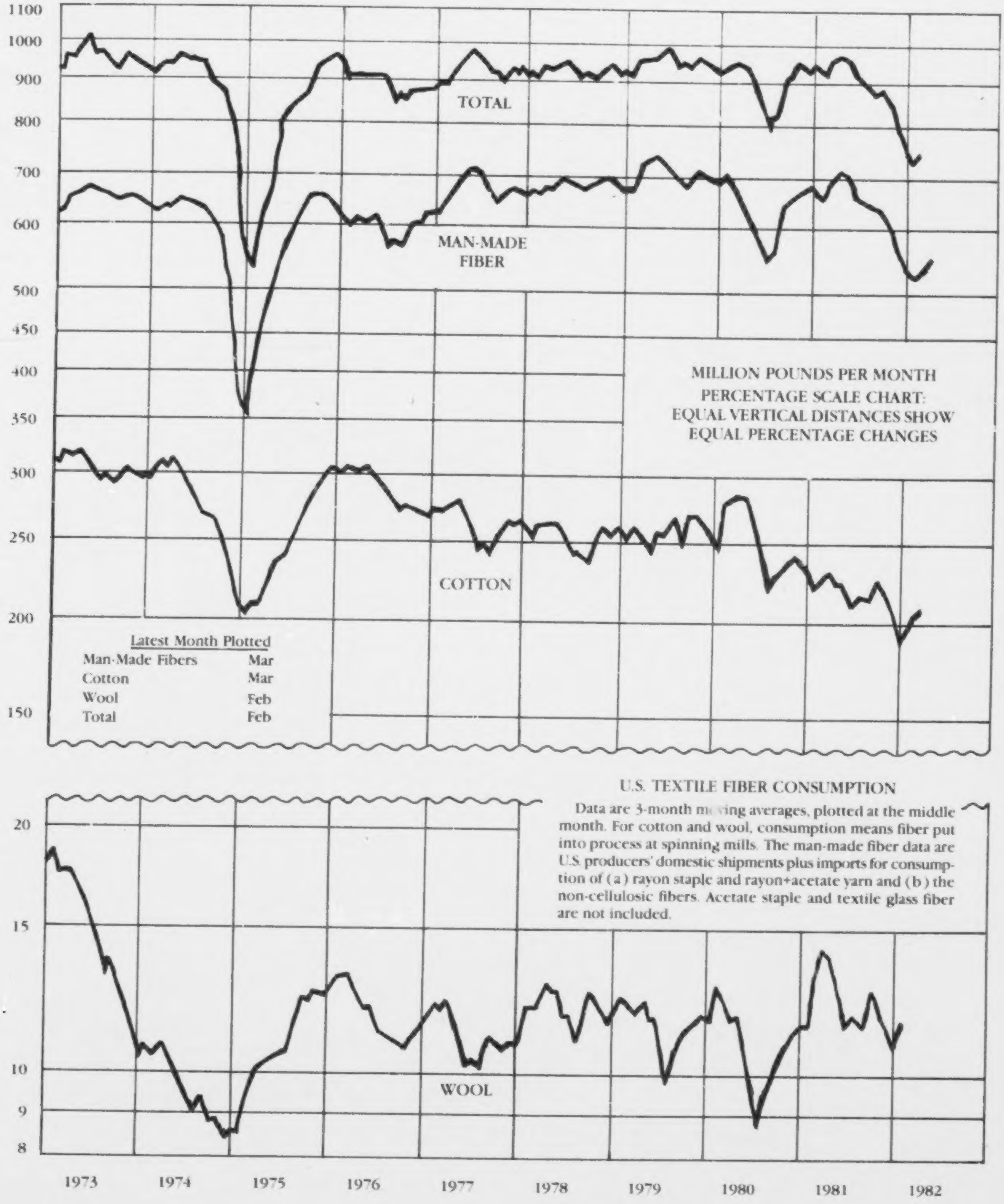
The biggest decline of capacity between November 1981 and May 1982 occurred in polyester textile yarn; see accompanying story on Celanese closure. May 1982 capacity of textile polyester filament was 1,265 million pounds, 15% less than November 1981 capacity of 1,481 million pounds. By May 1984, this capacity is expected to grow by only ½%, to reach 1,274 million pounds.

U.S. HOSIERY PRODUCTION

Production of all types of hosiery by U.S. manufacturers in 1981 totaled a record 310.1 million dozen pairs, 11% more than the 280.3 million dozen pairs produced in 1980. Annual production data presented in the table above (on page 98) are taken from the 48th Annual Report of the National Association of Hosiery Manufacturers. The full report is available from the Association, 516 Charlottetown Mall, Box 4098, Charlotte, NC 28204, for $35.00.

Other sections of the report show monthly and annual production, monthly and annual shipments, per capita consumption data, end-of-year stock and fiber content of hosiery by type. For the period January through April 1981, total hosiery production on a fiber basis was: cotton 12%, acrylic+modacrylic 15% and nylon 72%. This compares with the 1980 fiber breakdown of cotton 14%, other natural fibers 2%, acrylic+modacrylic 21%, nylon 62% and polyester 1%.

Also tabulated are the number of hosiery producing companies on a regional basis, the number of hosiery plants operated by these companies, the number of employees in the industry and the percentage of production by area. Imports and exports of hosiery are also analyzed.

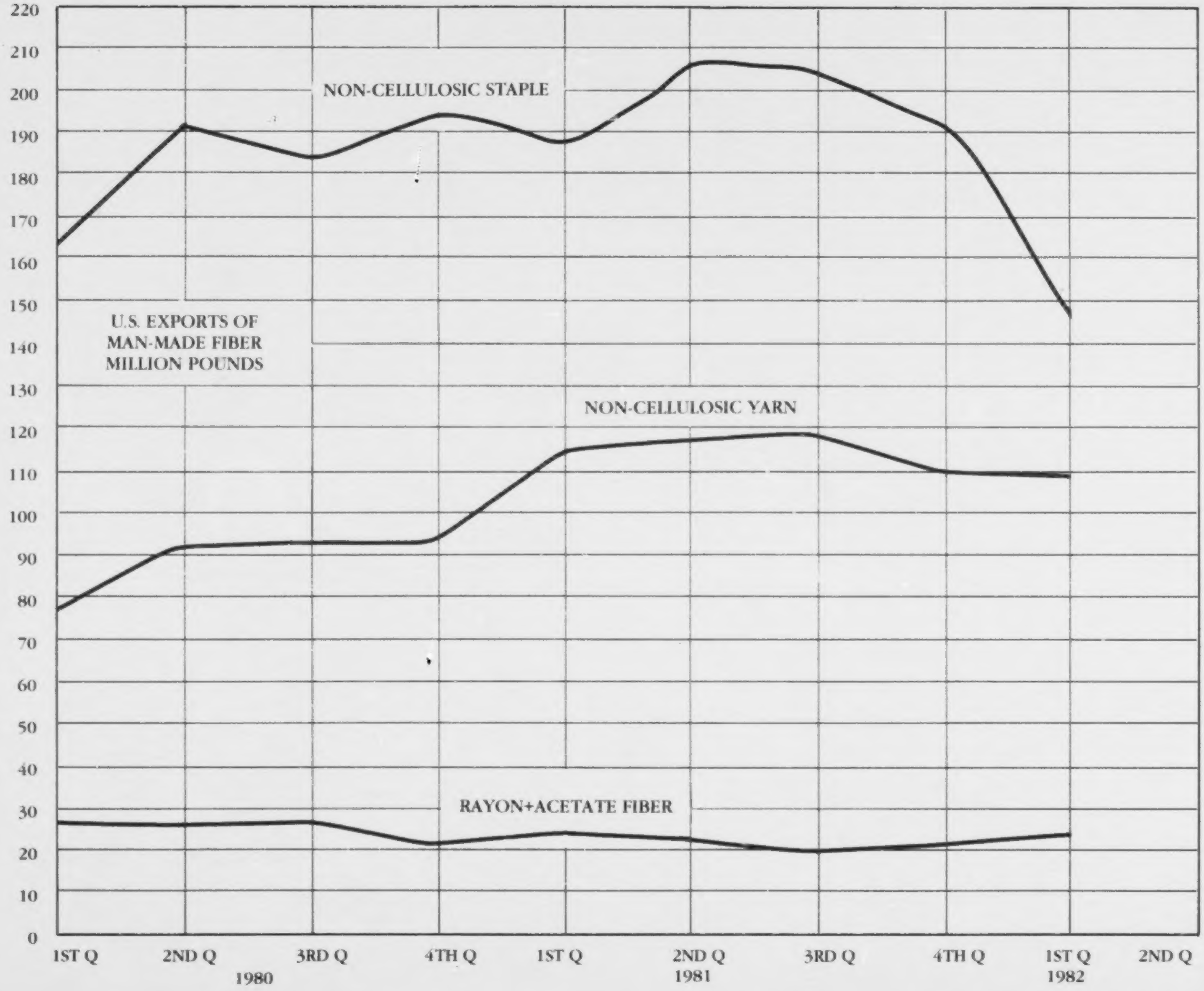


MILLION POUNDS PER MONTH
PERCENTAGE SCALE CHART:
EQUAL VERTICAL DISTANCES SHOW
EQUAL PERCENTAGE CHANGES

Latest Month Plotted	
Man-Made Fibers	Mar
Cotton	Mar
Wool	Feb
Total	Feb

U.S. TEXTILE FIBER CONSUMPTION

Data are 3-month moving averages, plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man-made fiber data are U.S. producers' domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.


U.S. EXPORTS OF
MAN-MADE FIBER
MILLION POUNDS
NON-CELLULOSIC STAPLE
NON-CELLULOSIC YARN
RAYON+ACETATE FIBER
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1ST Q
2ND Q
3RD Q
4TH Q
1980
1ST Q
2ND Q
3RD Q
4TH Q
1981
1ST Q
2ND Q
1982

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1981					1982				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
RAYON+ACETATE											
FILAMENT YARN[a]											
TEXTURED	310.0006	93	75	72	117	357	132				
OTHER[b]	310.0026	8191	5829	4286	5608	23914	7194				
MONOFILAMENTS	309.0110	47	30	9	4	90	2				
STRIPS	309.2210	66	79	95	106	346	66				
SUBTOTAL ABOVE		**8397**	**6013**	**4462**	**5835**	**24707**	**7394**				
STAPLE+TOW RAYON	309.4222	12222	14234	14369	14331	55156	13772				
STAPLE ACETATE	309.4219	3692	2046	608	658	7004	919				
SUBTOTAL ABOVE		**15914**	**16280**	**14977**	**14989**	**62160**	**14691**				
WASTE, ADVANCED & NOT ADVANCED	309.7400	693	795	416	895	2799	1007				
NON-CELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON TEXTURED	310.0008 & .0009	21787	17478	17656	12679	69600	9779				
HIGH TENACITY[c]	310.0027	18138	17544	11095	10623	57400	13520				
OTHER	310.0029	5461	4325	6280	3358	19424	3785				
POLYESTER TEXTURED	310.0010	48758	58681	65307	63406	236152	63471				
HIGH TENACITY[c]	310.0032	4870	5364	6299	6907	23440	5134				
OTHER[d]	310.0034	2380	3063	3117	3199	11759	2902				
OTHER TEXTURED	310.0014	4174	3082	2346	2149	11751	3235				
OLEFIN	310.0040	741	519	838	505	2603	224				
OTHER	310.0044	1566	1452	1183	1030	5231	1371				
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	2387	1935	1879	1585	7786	1142				
POLYESTER[e]	309.0140	2816	1767	1362	1218	7163	1919				
OTHER	309.0170	1289	1314	1614	2343	6560	2085				
STRIPS	309.2220 & .2270	1366	1530	739	920	4555	799				
SUBTOTAL ABOVE		**115733**	**118054**	**119715**	**109922**	**463424**	**109366**				
STAPLE NYLON	309.4240	9443	7030	5848	5235	27556	4018				
POLYESTER	309.4242	108893	138242	144558	130988	522681	90356				
ACRYLIC	309.4245	41711	40137	39084	35729	156661	32810				
OLEFIN	309.4246	664	431	270	393	1758	522				
OTHER	309.4247	5015	5800	3637	3581	18033	4395				
GROUPED FILAMENTS											
NYLON	309.3220	1724	763	746	1328	4561	1539				
POLYESTER[d]	309.3240	9508	6706	3802	6761	26777	9528				
ACRYLIC	309.3250 & .3255	10076	8360	7144	7075	32655	5472				
SUBTOTAL ABOVE		**187034**	**207469**	**205089**	**191090**	**790682**	**148640**				
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	3470	4141	3302	3025	13938	3542				
POLYESTER	309.7630	11606	13086	12419	17006	54117	17204				
ACRYLIC	309.7640	1874	1531	573	817	4795	574				
OTHER	309.7660	8718	9163	8717	7817	34415	7146				
TOTAL MAN-MADE FIBER ABOVE		**353439**	**376532**	**369670**	**351396**	**1451037**	**309564**				
TEXTILE GLASS FIBER	309.2700 & .9700	10180	8611	8553	11590	38934	11318				
GRAND TOTAL ABOVE		**363619**	**385143**	**378223**	**362986**	**1489971**	**320882**				

SOURCE: U.S. Census Bureau Report.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of non-cellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

SANS STATISTICS

ITT RAYONIER CLONES TREES

ITT Rayonier, the forest products unit of the International Telephone and Telegraph Corporation, recently announced that its researchers had successfully cloned, or replicated, slash pine trees from tissue cultures.

Although cloning is not new, the process had never before been successfully applied to slash pines, which are used to make cellulose pulp for paper, acetate films and fibers and rayon fibers.

The company said that researchers planted about 200 slash pine seedlings cloned from cell tissue in an acre plot near Jacksonville, FL. It will take the slash pine seedlings up to 15 years to grow to a size where researchers could begin to judge how successful the project was in commercial terms.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982						3 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
RAYON+ACETATE YARN, MONOFIL & STRIPS								
CANADA	0	15	0				15	451
MEXICO	155	76	157				388	403
BELGIUM	11	0	0				11	75
GERMANY, FED. REP. OF	502	275	218				995	1087
NETHERLANDS	86	77	17				180	1162
SPAIN	40	81	46				167	142
UNITED KINGDOM	0	0	0				0	11
JAPAN	20	42	36				98	64
ALL OTHER COUNTRIES[a]	47	22	28				97	24
TOTAL R+A YARN	**861**	**588**	**502**				**1951**	**3419**
RAYON+ACETATE STAPLE+TOW								
CANADA	155	167	191				513	1379
AUSTRIA	605	40	441				1086	1010
FRANCE	1	52	2				55	140
GERMANY, FED. REP. OF	42	44	43				129	85
ITALY	0	0	0				0	12
SWEDEN	464	0	871				1335	750
UNITED KINGDOM	117	2	108				227	309
AUSTRALIA	153	0	0				153	0
JAPAN	149	24	134				307	311
ALL OTHER COUNTRIES[b]	0	80	1				81	0
TOTAL R+A STAPLE	**1686**	**409**	**1791**				**3886**	**3996**
NON-CELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	295	156	101				552	152
COSTA RICA	117	27	0				144	0
MEXICO	0	1	2				3	46
FRANCE	128	114	79				321	427
GERMANY, FED. REP. OF	581	362	295				1238	913
ITALY	24	2	175				201	239
NETHERLANDS	2	1	7				10	10
UNITED KINGDOM	67	48	38				153	208
JAPAN	453	661	463				1577	1328
ALL OTHER COUNTRIES[c]	16	6	20				42	128
TOTAL N.C. YARN	**1683**	**1378**	**1180**				**4241**	**3451**
NON-CELLULOSIC STAPLE+TOW								
CANADA	439	310	864				1613	1127
MEXICO	177	27	57				261	315
BELGIUM	29	31	1				61	130
FRANCE	219	194	444				857	1039
GERMANY, FED. REP. OF	730	752	975				2457	4129
IRELAND	0	39	39				78	56
ITALY	58	23	153				234	1436
NETHERLANDS	141	89	58				288	83
ROMANIA	50	106	29				185	132
UNITED KINGDOM	195	250	259				704	1036
JAPAN	588	461	510				1559	1530
TAIWAN	616	194	436				1246	1657
ALL OTHER COUNTRIES[d]	16	5	1				22	95
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**				**9565**	**12765**

Other countries supplying 1982 poundages are:

a. Austria 20, Brazil 28, France 44 & Italy 5.

b. Finland 80 & Mexico 1.

c. Austria 9, Belgium 11, Ireland 1, Rep. of Korea 6, Romania 1, Sweden 6 & Switzerland 8.

d. Austria 2, German Dem. Rep. 15, Hong Kong 1, Israel 1 & Switzerland 3.

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U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982 JAN	1982 FEB	1982 MAR	1982 APR	1982 MAY	1982 JUN	3 MONTHS 1982	3 MONTHS 1981
RAYON+ACETATE									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	5	0	28				33	11
OTHER	310.0130 & .0230[a]	856	586	474				1916	3405
MONOFILAMENTS	309.0310 & .0610	0	2	0				2	3
STRIPS, $1/LB & UNDER	309.2000 *	0	0	0				0	0
SUBTOTAL ABOVE		**861**	**588**	**502**				**1951**	**3419**
STAPLE	309.[illegible] & .4325	1510	409	1623				3542	3560
GROUPED FILAMENTS	309.3010 & .3110	176		168				344	436
SUBTOTAL ABOVE		**1686**	**409**	**1791**				**3886**	**3996**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64				64	81
NON-CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	423	174	125				722	629
POLYESTER	310.0110 & .0210	231	43	7				281	56
OTHER	310.0114 & .0214	32	26	69				127	81
OTHER - NYLON	310.0149 & .0249	111	211	278				600	856
POLYESTER	310.0150 & .0250	551	691	368				1610	821
OTHER	310.0170 & .0270[b]	164	81	140				385	466
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157				436	494
STRIPS, OVER $1/LB	309.2100 & .2500 *	31	13	36				80	48
SUBTOTAL ABOVE		**1683**	**1378**	**1180**				**4241**	**3451**
STAPLE - NYLON		392	209	400				1001	4909
POLYESTER	309.4342	487	517	933				1937	549
ACRYLIC	309.4345	526	474	962				1962	3570
OLEFIN	309.4346	1	30	1				32	309
OTHER	309.4355	899	292	581				1772	2103
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	460	530	345				1335	186
POLYESTER	309.3040 & .3140	0	0	17				17	42
ACRYLIC	309.3050 & .3150	297	376	553				1226	614
OTHER	309.3065 & .3165	196	53	34				283	483
SUBTOTAL ABOVE		**3258**	**2481**	**3826**				**9565**	**12765**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647	1838				5367	6007
POLYESTER	309.6630	1398	775	1580				3753	4428
ACRYLIC	309.6645	0	184	9				193	747
OTHER	309.6660	433	229	247				909	498
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0				20	0
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26				93	185
SUBTOTAL ABOVE		**3763**	**2872**	**3700**				**10335**	**11865**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**				**30042**	**35577**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0						24
NON CELLULOSIC	310.1015[d] & .1109[e]	407	110	333				850	605
OTHER - CELLULOSIC	310.1030 & .1135[f]	--	6	67				73	16
NON CELLULOSIC	310.1050 & .1070[g]	200	18	13				231	73
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0	18				46	59
- OTHER	310.4015 & .4027[i]	1570	1253	1374				4197	5010
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	205	89	190				484	722
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188				557	665
SLIVER, TOPS & ROVING	309.9000	434	309	201				944	1183
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011				3840	2644
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**				**41264**	**46578**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982 JAN	1982 FEB	1982 MAR	1982 APR	1982 MAY	1982 JUN	YEAR TO DATE[a] 1982	YEAR TO DATE[a] 1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**			**73.1**	**91.1**
NYLON[e] INDUSTRIAL[f]	26.2	29.2	31.5	31.1			118.0	142.0
LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5			10.0	12.6
CARPET	40.3	43.3	46.0	46.1			175.7	269.6
TEXTILE	27.9	27.0	29.5	28.4			112.8	146.0
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8	26.3			101.1	104.1
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9			7.5	9.6
TEXTILE	75.4	87.8	88.5	88.2			339.9	425.7
OLEFIN[h]	50.1	50.4	51.0	48.9			200.4	224.7
TOTAL NON-CELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.4**			**1065.4**	**1334.3**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**30.3**	**28.9**	**29.1**	**31.6**			**119.9**	**155.6**
NYLON[e]	48.0	48.3	49.7	55.9			201.9	292.1
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7			207.2	250.6
POLYESTER	173.3	176.4	174.0	161.7			685.4	865.8
OLEFIN+VINYON	8.3	10.2	11.4	10.8			40.7	44.0
TOTAL NON-CELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**			**1135.2**	**1452.5**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**			**11.0**	**13.5**
NYLON[e] INDUSTRIAL[f]	41.7	37.6	33.1	30.4			30.4	36.7
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6			4.6	3.5
CARPET	62.3	58.0	55.5	54.1			54.1	33.4
TEXTILE	50.9	52.9	51.1	48.6			48.6	41.7
POLYESTER INDUSTRIAL[f]	23.7	25.1	25.2	24.6			24.6	20.9
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7			3.7	3.6
TEXTILE	93.4	89.9	93.4	91.9			91.9	67.5
OLEFIN[h]	64.3	64.0	64.5	63.6			63.6	60.4
TOTAL NON-CELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.5**			**321.5**	**267.7**
STAPLE+TOW+FIBERFILL								
RAYON	**32.6**	**35.6**	**38.2**	**35.1**			**35.1**	**28.1**
NYLON[e]	63.9	58.7	59.3	53.4			53.4	33.4
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7			67.7	68.5
POLYESTER	180.4	191.9	189.2	186.6			186.6	178.5
OLEFIN+VINYON	30.0	31.3	31.6	29.3			29.3	15.3
TOTAL NON-CELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**			**337.0**	**295.7**

WOOL & COTTON CONSUMPTION

ITEM	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
APPAREL CLASS WOOL	11.6	10.6	13.0				35.2	37.7
CARPET CLASS WOOL	0.7	0.9	1.0				2.6	2.5
TOTAL RAW WOOL	12.3	11.5	14.0				37.8	40.2
RAW COTTON	207.2	195.8	229.8	213.5			846.3	948.0

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spun-bonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

C8850-1

Textile Organon

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World Man-Made Fiber Survey

This issue features updated production and net available supply data for the 1980 world man-made fiber survey. Reports received subsequent to publication of last year's June world survey have been incorporated to present more precise data for 1980.

Earlier years' world data for most of the tables contained in this issue will also be found in the January 1962 ***Organon*** Base Book and in the June 1966, 1970, 1979, 1980 and 1981 issues.

As in the past, all data in this issue are in ***metric tons*** except for the U.S. data on pages 132-136. The tables on pages 105, 107-111 & 113 will be published in the July issue showing data in ***millions of pounds***.

This issue also contains the customary world directory of man-made fiber producers. The 1981 world man-made fiber survey will be published as a supplement to this issue and will be issued with the July ***Organon***. Included will be the 1981 production data by country and by fiber, as well as the projected producing capacities for 1982 and 1983, and data for olefin, textile glass, cigarette tow and acetate staple. 1981 import-export data used to tabulate net available supply by country are not complete at this time; consequently, when these data are obtained, the 1981 net available supply table will be published in the ***Organon***.

WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

THOUSAND METRIC TONS & *Percent*

TYPE OF FIBER	1975	1976	1977	1978	1979	1980
RAYON+ACETATE FIBERS (from page 111)						
YARN+MONOFILAMENTS	1,136	1,188	1,172	1,167	1,176	1,161
STAPLE+TOW	1,823	2,022	2,109	2,151	2,195	2,081
TOTAL RAYON+ACETATE	**2,959**	**3,210**	**3,281**	**3,318**	**3,371**	**3,242**
NON-CELLULOSIC FIBERS except Olefin (from page 107)						
YARN+MONOFILAMENTS	3,763	4,128	4,312	4,603	4,898	4,745
STAPLE+TOW	3,590	4,473	4,837	5,431	5,710	5,747
TOTAL NON-CELL. ABOVE	**7,353**	**8,601**	**9,149**	**10,034**	**10,608**	**10,492**
TOTAL MAN-MADE ABOVE	**10,312**	**11,811**	**12,430**	**13,352**	**13,979**	**13,734**
% of World Total	*44*	*46*	*45*	*48*	*47*	*46*
NATURAL FIBERS						
RAW COTTON	11,757	12,480	13,921	12,973	14,270	14,266
RAW WOOL	1,538	1,487	1,488	1,528	1,573	1,581
RAW SILK	47	48	49	51	55	56
TOTAL NATURAL ABOVE	**13,342**	**14,015**	**15,458**	**14,552**	**15,898**	**15,903**
% of World Total	*56*	*54*	*55*	*52*	*53*	*54*
WORLD TOTAL ABOVE	**23,654**	**25,826**	**27,888**	**27,904**	**29,877**	**29,637**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 107 and 111, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see October 1981 ***Organon***.

WOOL: Commonwealth Secretariat. The data are on a scoured basis. Also see the December 1981 ***Organon*** issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

ACKNOWLEDGEMENTS

The cooperation of more than 100 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles, Domestic and International Business Administration, U.S. Department of Commerce, is acknowledged with thanks. The editors welcome information concerning any data which may be omitted or incorrect.

IMPORTS, EXPORTS & BALANCE

The by-country production, import, export and net available or retained supply of four categories of man-made fiber are tabulated on page 113 covering calendar 1980 only. These data have been updated owing to the availability of more complete data at this time.

In the page 113 table, "yarn" includes tire cord and tire cord fabric, filament yarn and monofilaments. Staple includes tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

In a few cases where a country's import or export data could not be accurately separated as rayon+acetate versus non-cellulosic, a division was estimated.

Except for spun yarn imports and exports, imports and exports of manufactured and semimanufactured man-made fiber products (e.g., fabric dresses, hosiery, etc.) are not included in the data.

The table shows the net import-export tonnage of spun yarn under the "Total Man-Made Fiber" columns; space does not permit the presentation of import and export data separately.

SHIPMENTS BY PRIMARY TRADE OR END USE

The tables on pages 132 and 133 exhibit producer shipments of yarn+monofilament and staple+tow by primary trade or end use. The first quarter 1982 total of 1,567.0 million pounds was 18% below the first quarter 1981 total of 1912.6 million pounds. Yarn+monofilament shipments fell 19% during the first quarter, to 772.8 million pounds, and staple+tow shipments fell by 17% to 794.2 million pounds against the same period of last year.

The fiber-by-fiber yarn+monofilament analysis is as follows: Shipments of polyester filament yarn fell 16%, to 297.2 million pounds; nylon filament yarn shipments fell 25%, to 283.9 million pounds; shipments of olefin filament yarn, at 146.8 million pounds, fell 11% and acetate filament yarn shipments fell 16%, to 44.9 million pounds.

Though yarn+monofilament shipments fell in general, polyester yarn deliveries to the tire trades, at 43.7 million pounds, were 1% above the year-ago level, and shipments to other rubber industry were up 14% to 8.4

(Continued on page 131)

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Textile Organon

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WORLD NON-CELLULOSIC FIBER PRODUCTION BY FIBER EXCEPT OLEFIN

THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION																	
	1975			1976			1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																		
WEST EUROPE	1	539	540	+	734	734	+	677	677	+	794	794	+	795	795	+	729	729
EAST EUROPE	0	163	163	0	172	172	0	184	184	0	200	200	0	213	213	0	216	216
U.S.A.	0	238	238	0	282	282	0	322	322	0	329	329	0	345	345	0	354	354
OTHER AMERICAS	0	66	66	0	82	82	0	82	82	0	98	98	0	108	108	0	111	111
JAPAN	2	241	243	2	308	310	3	335	338	3	370	373	4	355	359	3	350	353
ALL OTHER	0	141	141	0	162	162	0	187	187	0	227	227	0	249	249	0	304	304
TOTAL	**3**	**1388**	**1391**	**2**	**1740**	**1742**	**3**	**1787**	**1790**	**3**	**2018**	**2021**	**4**	**2065**	**2069**	**3**	**2064**	**2067**
NYLON+ARAMID																		
WEST EUROPE	542	88	630	633	122	755	566	122	688	566	150	716	571	148	719	522	152	674
EAST EUROPE	327	28	355	387	28	415	394	31	425	405	31	436	414	31	445	461	55	516
U.S.A.	588	255	843	623	319	942	686	369	1055	750	407	1157	808	426	1234	740	330	1070
OTHER AMERICAS	157	18	175	171	19	190	174	20	194	187	22	209	205	23	228	209	23	232
JAPAN	264	15	279	285	16	301	292	16	308	293	16	309	296	17	313	300	18	318
ALL OTHER	205	2	207	243	3	246	265	3	268	309	3	312	341	3	344	364	2	366
TOTAL	**2083**	**406**	**2489**	**2342**	**507**	**2849**	**2377**	**561**	**2938**	**2510**	**629**	**3139**	**2635**	**648**	**3283**	**2596**	**580**	**3176**
POLYESTER																		
WEST EUROPE	361	321	682	393	406	799	367	409	776	393	429	822	407	445	852	354	396	750
EAST EUROPE	76	204	280	87	227	314	94	291	385	112	304	416	118	308	426	131	320	451
U.S.A.	662	696	1358	637	878	1515	722	930	1652	710	1014	1724	779	1117	1896	663	1146	1809
OTHER AMERICAS	162	88	250	167	101	268	192	120	312	196	134	330	214	164	378	216	169	385
JAPAN	199	246	445	251	284	535	278	294	572	318	319	637	314	318	632	305	320	625
ALL OTHER	181	170	351	209	255	464	235	368	603	321	500	821	386	554	940	432	651	1083
TOTAL	**1641**	**1725**	**3366**	**1744**	**2151**	**3895**	**1888**	**2412**	**4300**	**2050**	**2700**	**4750**	**2218**	**2906**	**5124**	**2101**	**3002**	**5103**
OTHER FIBERS[a] EXCEPT OLEFIN																		
WEST EUROPE	3	11	14	4	11	15	4	10	14	3	9	12	5	11	16	4	11	15
EAST EUROPE	8	6	14	9	6	15	9	5	14	9	7	16	5	7	12	7	7	14
U.S.A.	5	1	6	6	1	7	7	1	8	7	1	8	8	1	9	9	+	9
OTHER AMERICAS	+	0	+	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
JAPAN	15	39	54	15	43	58	17	45	62	15	42	57	17	42	59	18	43	61
ALL OTHER	5	14	19	5	14	19	6	16	22	5	25	30	5	30	35	6	40	46
TOTAL	**36**	**71**	**107**	**40**	**75**	**115**	**44**	**77**	**121**	**40**	**84**	**124**	**41**	**91**	**132**	**45**	**101**	**146**
TOTAL FIBERS ABOVE																		
WEST EUROPE	907	959	1866	1030	1273	2303	937	1218	2155	962	1382	2344	983	1399	2382	880	1288	2168
EAST EUROPE	411	401	812	483	433	916	497	511	1008	526	542	1068	537	559	1096	599	598	1197
U.S.A.	1255	1190	2445	1266	1480	2746	1415	1622	3037	1467	1751	3218	1595	1889	3484	1412	1830	3242
OTHER AMERICAS	319	172	491	339	202	541	367	222	589	384	254	638	420	295	715	426	303	729
JAPAN	480	541	1021	553	651	1204	590	699	1280	629	747	1376	631	732	1363	626	731	1357
ALL OTHER	391	327	718	457	434	891	506	574	1080	635	755	1390	732	836	1568	802	997	1799
WORLD TOTAL	**3763**	**3590**	**7353**	**4128**	**4473**	**8601**	**4312**	**4837**	**9149**	**4603**	**5431**	**10034**	**4898**	**5710**	**10608**	**4745**	**5747**	**10492**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 108-109.

[a] Other fibers are alginate, azlon, spandex or elastomer, saran , TFE-fluorocarbon, vinal and vinyon.

WORLD NON-CELLULOSIC FIBER PRODUCTION BY COUNTRY (EXCEPT OLEFIN)

THOUSAND METRIC TONS

	WEST EUROPE																
	AUSTRIA	BENELUX[a]			EIRE (IRELAND)			FINLAND	FRANCE			WEST GERMANY			GREECE		
YEAR	S	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	16.7	76.7	46.2	122.9	6.0	6.0	12.0	1.1	85.5	119.0	204.5	321.7	303.6	625.3	5.4	0	5.4
1976	27.4	84.5	61.8	146.3	6.3	9.0	15.3	0.8	105.1	143.7	248.8	369.0	390.4	759.4	8.3	5.0	13.3
1977	25.9	85.1	54.2	139.3	2.4	12.5	14.9	0.4	100.3	143.6	243.9	325.0	365.2	690.2	7.7	7.5	15.2
1978	30.4	94.7	48.0	142.7	8.3	26.0	34.3	0.5	91.7	154.7	246.4	326.0	403.4	729.4	8.5	7.9	16.4
1979	29.3	95.2	40.4	135.6	10.8	32.0	42.8	0.4	78.7	145.3	224.0	338.0	421.5	759.5	9.2	9.5	18.7
1980	25.4	71.9	32.4	104.3	10.0	31.7	41.7	0.4	65.3	126.7	192.0	317.7	402.4	720.1	9.0	10.0	19.0

	WEST EUROPE *(Continued)*															
	ITALY/MALTA			PORTUGAL			SPAIN			SWEDEN	SWITZERLAND			TURKEY		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT
1975	115.0	161.9	276.9	1.4	5.7	7.1	45.5	73.7	119.2	0.9	44.8	20.7	65.5	18.9	28.3	47.2
1976	130.7	245.9	376.6	1.7	10.1	11.8	54.1	94.4	148.5	1.0	49.4	27.3	76.7	18.5	44.2	62.7
1977	118.4	211.7	330.1	1.5	16.6	18.1	55.1	104.6	159.7	0.1	49.0	28.7	77.7	15.0	65.5	80.5
1978	117.9	236.5	354.4	1.6	26.1	27.7	60.8	129.1	189.9	0.1	49.8	33.4	83.2	22.1	60.6	82.7
1979	126.6	233.6	360.2	1.7	29.2	30.9	71.7	141.4	213.1	0.1	49.1	30.0	79.1	30.0	77.0	107.0
1980	124.9	229.9	354.8	1.4	32.1	33.5	64.9	142.5	207.4	0.1	60.7	23.7	84.4	28.0	70.0	98.0

	W. EUROPE *(Cont.)*			EAST EUROPE											
	UNITED KINGDOM			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUNGARY		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	184.0	177.1	361.1	10.7	31.0	41.7	44.3	18.9	63.2	49.0	62.8	111.8	2.8	8.0	10.8
1976	200.1	214.1	414.2	13.0	28.9	41.9	49.0	19.6	68.6	51.0	66.6	117.6	3.2	8.0	11.2
1977	176.7	182.1	358.8	12.5	31.5	44.0	46.0	23.0	69.0	53.0	71.0	124.0	3.2	13.1	16.3
1978	180.9	225.5	406.4	13.0	33.0	46.0	49.0	25.0	74.0	53.5	74.0	127.5	3.3	15.4	18.7
1979	171.4	209.7	381.1	13.0	35.0	48.0	50.0	22.0	72.0	54.6	77.9	132.5	3.2	14.8	18.0
1980	125.9	161.7	287.6	12.8	37.0	49.8	54.0	22.4	76.4	57.0	82.0	139.0	5.8	13.8	19.6

	EAST EUROPE *(Continued)*														
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EUROPE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	53.4	65.0	118.4	17.0	67.6	84.6	229.0	133.0	362.0	5.4	14.4	19.8	**1318.5**	**1359.6**	**2678.1**
1976	69.7	68.5	138.2	28.0	86.0	114.0	260.0	140.0	400.0	9.3	15.5	24.8	**1512.7**	**1706.4**	**3219.1**
1977	81.2	65.5	146.7	29.0	95.0	124.0	265.0	191.0	456.0	7.3	20.3	27.6	**1433.9**	**1728.5**	**3162.4**
1978	85.2	66.9	152.1	30.0	100.0	130.0	275.0	200.0	475.0	17.0	28.0	45.0	**1488.9**	**1923.9**	**3412.8**
1979	87.4	65.9	153.3	35.0	105.0	140.0	273.0	203.0	476.0	21.0	35.0	56.0	**1520.1**	**1957.5**	**3477.6**
1980	94.5	68.5	163.0	33.0	103.0	136.0	319.0	231.0	550.0	23.0	40.0	63.0	**1479.3**	**1886.2**	**3365.5**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. **TOT** means total.

These totals do not contain data for the fibers produced in North Korea.

[a] Benelux includes Belgium, Netherlands and Luxembourg.

WORLD NON-CELLULOSIC FIBER PRODUCTION BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

THOUSAND METRIC TONS

				OTHER AMERICAS												
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE			COSTA RICA
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1975	**1254.6**	**1190.6**	**2445.2**	26.3	19.8	46.1	80.1	45.5	125.6	64.3	31.5	95.8	3.4	1.9	5.3	0
1976	**1265.9**	**1479.9**	**2745.8**	23.2	16.8	40.0	96.6	60.7	157.3	63.8	32.8	96.6	4.0	3.0	7.0	*
1977	**1415.2**	**1622.0**	**3037.2**	24.4	15.8	40.2	95.6	64.2	159.8	69.3	43.5	112.8	4.0	2.2	6.2	*
1978	**1466.8**	**1751.2**	**3218.0**	22.2	17.0	39.2	105.7	74.5	180.2	72.2	50.9	123.1	4.4	1.5	5.9	2.0
1979	**1594.5**	**1889.2**	**3483.7**	29.6	22.6	52.2	122.5	91.4	213.9	73.1	48.5	121.6	5.0	2.4	7.4	2.0
1980	**1411.6**	**1830.5**	**3242.1**	21.3	12.9	34.2	136.4	95.0	231.4	74.0	48.0	122.0	5.0	2.5	7.5	3.0

	OTHER AMERICAS *(Continued)*																	
	COLOMBIA			ECUADOR	GUATEMALA	MEXICO			PERU			URUGUAY			VENEZUELA		
YEAR	Y	S	TOT	Y	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	20.5	6.8	27.3	0.3	0	107.7	47.3	155.0	5.6	13.6	19.2	1.0	0	1.0	10.3	5.1	15.4
1976	27.7	6.2	33.9	1.8	0	104.9	57.7	162.6	3.8	19.8	23.6	1.1	0	1.1	11.5	5.3	16.8
1977	32.7	6.1	38.8	2.3	0	120.4	65.6	186.0	5.6	19.2	24.8	1.1	*	1.1	11.7	5.7	17.4
1978	33.2	7.8	41.0	2.5	0	123.4	75.9	199.3	5.6	20.5	26.1	1.1	*	1.1	11.5	5.5	17.0
1979	28.7	8.0	36.7	3.4	*	136.1	93.0	229.1	7.0	21.0	28.0	1.1	2.4	3.5	11.7	6.1	17.8
1980	23.0	10.9	33.9	3.5	0	137.0	102.4	239.4	10.5	22.5	33.0	1.1	2.6	3.7	11.5	6.0	17.5

							OTHER AFRICA, ASIA & OCEANIA						
	TOTAL OTHER AMERICAS			JAPAN			AUSTRALIA/N.Z.			BANGLADESH	PEOPLE'S REPUBLIC OF CHINA		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1975	**319.5**	**171.5**	**491.0**	**480.0**	**540.9**	**1020.9**	19.5	1.2	20.7	0.4	13.1	32.6	45.7
1976	**338.4**	**202.3**	**540.7**	**553.7**	**650.4**	**1240.1**	20.0	1.0	21.0	0.4	15.0	37.0	52.0
1977	**367.1**	**222.3**	**589.4**	**590.2**	**690.2**	**1280.4**	17.5	1.2	18.7	0.3	18.0	42.0	60.0
1978	**383.8**	**253.6**	**637.4**	**629.0**	**747.0**	**1376.0**	18.1	1.1	19.2	0.5	30.0	106.6	136.6
1979	**420.2**	**295.4**	**715.6**	**631.2**	**731.9**	**1363.1**	16.4	0.5	16.9	0.2	45.0	128.0	173.0
1980	**426.3**	**302.8**	**729.1**	**625.7**	**731.1**	**1356.8**	13.0	*	13.0	0.3	66.0	204.0	270.0

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*														
	EGYPT			INDIA			INDONESIA			IRAN			ISRAEL		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	0.3	0.5	0.8	20.1	13.3	33.4	3.6	4.2	7.8	6.8	0	6.8	4.0	5.6	9.6
1976	0.6	0.6	1.2	24.2	19.7	43.9	11.0	25.0	36.0	8.7	0	8.7	5.7	6.2	11.9
1977	0.8	0.4	1.2	25.6	21.6	47.2	17.3	37.2	54.5	8.5	0	8.5	5.8	5.6	11.4
1978	0.8	0.4	1.2	32.8	25.7	58.5	21.3	45.4	66.7	9.0	*	9.0	8.9	6.2	15.1
1979	1.5	0.4	1.9	35.8	27.8	63.6	22.7	50.3	73.0	5.0	0	5.0	9.9	6.4	16.3
1980	1.8	5.0	6.8	39.7	30.8	70.5	41.5	53.9	95.4	4.5	0	4.5	10.5	6.6	17.1

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*																
	KENYA			REPUBLIC OF KOREA			MALAYSIA	NIGERIA			PAKISTAN			PHILIPPINES			SINGAPORE
YEAR	Y	S	TOT	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1975	0	0	0	120.0	142.7	262.7	10.0	0	0	0	1.8	0	1.8	11.0	7.8	18.8	*
1976	0	0	0	141.3	168.0	309.3	15.0	0	0	0	2.4	0	2.4	14.0	7.8	21.8	0
1977	0	0	0	162.5	187.4	349.9	30.0	0	*	*	2.2	0	2.2	14.9	7.8	22.7	0
1978	0	0	0	208.0	224.5	432.5	33.0	*	3.0	3.0	1.9	0	1.9	16.0	8.6	24.6	0
1979	*	0	*	237.2	240.1	477.3	35.0	3.0	4.0	7.0	2.0	0	2.0	25.0	11.6	36.6	0
1980	1.0	0	1.0	255.2	281.2	536.4	36.0	2.5	2.5	5.0	1.5	0	1.5	30.0	14.0	44.0	0

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*															
	SOUTH AFRICA			SRI LANKA	TAIWAN			THAILAND			TOTAL OTHER A, A & O			WORLD TOTAL EXCEPT OLEFIN		
YEAR	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	20.4	4.8	25.2	0	148.7	85.9	234.6	20.7	18.4	39.1	**390.4**	**327.0**	**717.4**	**3763.0**	**3589.6**	**7352.6**
1976	27.4	13.0	40.4	0	160.7	111.7	272.4	25.8	29.4	55.2	**457.2**	**434.4**	**891.6**	**4127.9**	**4473.4**	**8601.3**
1977	25.7	13.5	39.2	0	175.4	189.0	364.4	31.7	38.1	69.8	**506.2**	**573.8**	**1080.0**	**4312.6**	**4836.8**	**9149.4**
1978	29.4	16.5	45.9	0	223.5	240.7	464.2	34.7	43.6	78.3	**634.9**	**755.3**	**1390.2**	**4603.4**	**5431.0**	**10034.4**
1979	32.2	19.5	51.7	0	256.8	264.5	521.3	39.7	49.9	87.6	**732.4**	**836.0**	**1568.4**	**4898.4**	**5710.0**	**10608.4**
1980	33.5	20.0	53.5	0	264.6	293.2	557.8	36.5	49.5	86.0	**802.1**	**996.7**	**1798.8**	**4745.0**	**5747.3**	**10492.3**

WORLD RAYON+ACETATE PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

WEST EUROPE

	AUSTRIA			BELGIUM/ NETHERLANDS			FINLAND			FRANCE			WEST GERMANY			GREECE
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**
1975	10.2	74.0	84.2	35.3	10.7	46.0	0.7	29.4	30.1	28.1	55.3	83.4	48.8	43.0	91.8	5.9
1976	15.0	88.9	103.9	39.0	21.4	60.4	0.9	31.2	32.1	24.4	60.3	84.7	66.3	51.0	117.3	6.7
1977	12.6	90.2	102.8	36.2	23.0	59.2	1.2	39.8	41.0	20.8	60.7	81.5	63.7	46.0	109.7	7.2
1978	11.3	96.0	107.3	36.0	23.6	59.6	1.2	42.8	44.0	19.3	55.2	74.5	59.7	49.0	108.7	7.2
1979	12.0	98.8	110.8	36.1	26.9	63.0	1.2	48.0	49.2	18.5	58.9	77.4	58.1	50.0	108.1	7.2
1980	15.3	100.6	115.9	37.4	22.0	59.4	0.6	47.2	47.8	16.4	49.6	66.0	65.2	46.0	111.2	7.2

WEST EUROPE *(Continued)*

	ITALY			NOR-WAY	PORTUGAL			SPAIN			SWEDEN			SWITZ-ERLAND	TURKEY		
YEAR	**Y**	**S**	**TOT**	**S**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**
1975	41.3	46.3	87.6	18.4	2.4	1.1	3.5	16.4	35.8	52.2	1.1	18.5	19.6	3.7	0.3	3.7	4.0
1976	46.7	59.8	106.5	26.1	2.5	1.4	3.9	15.6	41.0	56.6	0	30.4	30.4	4.4	0.3	3.9	4.2
1977	44.4	62.3	106.7	24.6	2.6	1.4	4.0	15.0	43.1	58.1	0	33.1	33.1	4.7	0.3	4.0	4.3
1978	39.3	46.9	86.2	28.4	2.1	1.2	3.3	13.8	46.6	60.4	0	36.9	36.9	4.1	0.3	4.0	4.3
1979	38.4	39.0	77.4	29.3	2.5	1.7	4.2	12.6	45.3	57.9	0	36.9	36.9	3.3	0.3	6.0	6.3
1980	36.6	27.5	64.1	28.4	2.7	0.7	3.4	12.8	40.1	52.9	0	34.9	34.9	1.8	0.3	5.0	5.3

	WEST EUROPE *(Continued)*						**EAST EUROPE**									
	UNITED KINGDOM			TOTAL WEST EUROPE			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUN-GARY
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**S**
1975	62.5	126.7	189.2	**256.7**	**462.9**	**719.6**	2.5	19.0	21.5	21.4	49.6	71.0	32.9	135.6	168.5	8.8
1976	70.6	118.6	189.2	**292.4**	**534.0**	**826.4**	3.0	23.6	26.6	21.9	50.3	72.2	36.2	136.8	173.0	9.0
1977	62.6	113.6	176.2	**271.3**	**541.8**	**813.1**	3.0	25.7	28.7	22.0	50.6	72.6	36.0	131.0	167.0	9.1
1978	59.7	124.4	184.1	**254.0**	**555.0**	**809.0**	3.2	27.8	31.0	21.5	49.5	71.0	34.0	129.2	163.2	9.0
1979	59.2	139.2	198.4	**249.4**	**580.0**	**829.4**	3.2	30.0	33.2	22.0	36.0	58.0	35.0	130.0	165.0	8.6
1980	36.7	109.3	146.0	**233.0**	**511.3**	**744.3**	3.3	33.0	36.3	19.8	34.9	54.7	36.5	132.0	168.5	9.0

EAST EUROPE *(Continued)*

	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EAST EUROPE		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1975	28.3	67.4	95.7	14.0	48.9	62.9	281.4	309.0	590.4	14.0	49.9	63.9	**394.5**	**688.2**	**1082.7**
1976	28.7	66.9	95.6	11.0	53.9	64.9	286.1	325.8	611.9	15.1	50.0	65.1	**402.0**	**716.3**	**1118.3**
1977	28.6	67.1	95.7	9.0	50.4	59.4	295.0	334.0	629.0	14.9	56.0	70.9	**408.5**	**723.9**	**1132.4**
1978	28.0	65.4	93.4	9.5	53.0	62.5	300.0	335.0	635.0	15.0	57.0	72.0	**411.2**	**725.9**	**1137.1**
1979	27.2	56.6	83.8	9.7	55.0	64.7	298.0	337.0	635.0	15.5	58.0	73.5	**410.6**	**711.2**	**1121.8**
1980	25.4	61.0	86.4	9.5	54.0	63.5	305.0	345.0	650.0	15.0	58.0	73.0	**414.5**	**726.9**	**1141.4**

Y means yarn+monofilaments. **S** means staple+tow. **TOT** means total.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

WORLD RAYON+ACETATE PRODUCTION BY COUNTRY *(Continued)*

THOUSAND METRIC TONS

				OTHER AMERICAS											
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	**166.1**	**173.7**	**339.8**	7.3	7.2	14.5	30.7	18.5	49.2	13.1	14.6	27.7	0.7	2.2	2.9
1976	**160.8**	**220.6**	**381.4**	5.3	5.0	10.3	34.2	19.7	53.9	5.7	21.2	26.9	1.0	3.0	4.0
1977	**160.0**	**242.7**	**402.7**	5.5	5.7	11.2	28.8	21.7	50.5	11.0	26.2	37.2	0.9	2.9	3.8
1978	**164.6**	**245.7**	**410.3**	4.4	3.8	8.2	24.1	22.4	46.5	12.3	26.8	39.1	0.8	3.3	4.1
1979	**169.4**	**252.4**	**421.8**	5.1	4.7	9.8	24.4	25.5	49.9	14.1	31.3	45.4	1.0	3.0	4.0
1980	**161.3**	**204.3**	**365.6**	2.0	1.5	3.5	26.0	25.3	51.3	14.0	30.0	44.0	1.0	3.0	4.0

	OTHER AMERICAS *(Continued)*														
	COLOMBIA			CUBA			MEXICO			PERU	URU-GUAY	VENE-ZUELA	TOTAL OTHER AMERICAS		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	Y	Y	S	TOT
1975	3.9	1.7	5.6	2.3	3.7	6.0	18.4	11.8	30.2	1.8	1.1	3.3	**82.6**	**59.7**	**142.3**
1976	3.4	0	3.4	2.5	3.5	6.0	19.5	11.4	30.9	2.1	1.1	2.8	**77.6**	**63.8**	**141.4**
1977	3.3	0	3.3	2.4	3.7	6.1	18.7	8.8	27.5	1.3	1.2	3.0	**76.1**	**69.0**	**145.1**
1978	3.4	0	3.4	2.3	3.7	6.0	17.2	10.5	27.7	1.1	1.3	3.0	**69.9**	**70.5**	**140.4**
1979	3.4	0	3.4	2.4	3.8	6.2	17.1	10.3	27.4	1.3	1.4	3.0	**73.2**	**78.6**	**151.8**
1980	2.4	0	2.4	2.2	3.8	6.0	16.8	11.0	27.8	1.5	1.3	2.8	**70.0**	**74.6**	**144.6**

				OTHER AFRICA, ASIA & OCEANIA											
	JAPAN			AUS-TRALIA	BANG-LADESH	PEOPLE'S REPUBLIC OF CHINA			EGYPT			INDIA			INDO-NESIA
YEAR	Y	S	TOT	Y	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1975	**103.2**	**255.6**	**358.8**	3.0	1.6	49.0	61.0	110.0	6.3	3.3	9.6	54.2	67.1	121.3	0
1976	**109.3**	**250.3**	**359.6**	0	0.9	55.0	70.0	125.0	6.3	3.2	9.5	60.6	83.7	144.3	0
1977	**107.4**	**272.7**	**380.1**	0	1.4	61.0	77.0	138.0	6.2	2.4	8.6	58.9	87.1	146.0	0
1978	**109.8**	**279.4**	**389.2**	0	3.0	65.0	80.0	145.0	6.0	3.7	9.7	62.4	92.0	154.4	0
1979	**114.3**	**290.4**	**404.7**	0	4.1	68.0	85.0	153.0	5.8	4.2	10.0	60.5	92.2	152.7	0
1980	**119.3**	**278.0**	**397.3**	0	3.5	75.0	95.0	170.0	6.0	4.0	10.0	57.7	74.7	132.4	0

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*																
	IRAQ			REPUBLIC OF KOREA			PAKI-STAN	TAIWAN			THAI-LAND	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	S	Y	S	TOT	Y	S	TOT
1975	3.0	5.5	8.5	9.8	0	9.8	2.9	2.7	46.5	49.2	0	**132.5**	**183.4**	**315.9**	**1135.6**	**1823.5**	**2959.1**
1976	3.0	5.5	8.5	14.2	7.1	21.3	2.6	3.1	65.4	68.5	2.0	**145.7**	**236.9**	**382.6**	**1187.8**	**2021.9**	**3209.7**
1977	2.8	5.3	8.1	12.8	9.7	22.5	2.6	3.0	66.6	69.6	10.7	**148.7**	**258.8**	**407.5**	**1172.0**	**2108.9**	**3280.9**
1978	3.0	5.5	8.5	12.7	10.0	22.7	2.3	3.1	66.9	73.0	13.5	**157.5**	**274.6**	**432.1**	**1167.0**	**2151.1**	**3318.1**
1979	2.9	5.4	8.3	13.2	10.4	23.6	2.0	3.0	70.0	73.0	15.1	**159.5**	**282.3**	**441.8**	**1176.4**	**2194.9**	**3371.3**
1980	3.0	5.5	8.5	12.4	15.0	27.4	2.7	3.0	75.3	78.3	16.4	**163.3**	**285.9**	**449.2**	**1161.4**	**2081.0**	**3242.4**

RAYON VS. ACETATE FILAMENT YARN PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

	WEST EUROPE																				
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE			WEST GERMANY			ITALY			SPAIN			SWEDEN	UNITED KINGDOM		
YEAR	H	R	H	R	A	H	R	A	H	R+C	A	H	R+C	A	H	R	A	H	H	R	A
1975	7	3	12	17	6	13	12	3	25	21	3	9	18	14	5	9	2	1	19	12	32
1976	11	4	17	17	5	9	13	2	40	24	2	11	18	18	6	8	2	0	19	18	34
1977	9	4	17	14	5	8	13	0	38	24	2	11	15	18	7	6	2	0	17	12	33
1978	8	3	15	15	6	9	10	0	35	23	2	11	11	17	6	5	3	0	15	10	35
1979	8	4	14	15	7	9	9	0	33	23	2	11	9	18	5	5	3	0	11	10	38
1980	11	4	15	16	6	8	9	0	40	24	1	11	5	21	6	4	3	0	1	2	34

	W. EUROPE *(Cont.)*				EAST EUROPE																	
	OTHER[a]	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	R	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1975	14	**91**	**106**	**60**	3	9	12	13	20	8	20	10	4	159	75	47	7	8	**206**	**142**	**47**
1976	14	**113**	**116**	**63**	3	9	13	14	22	8	21	7	4	160	77	49	7	8	**205**	**148**	**49**
1977	16	**107**	**104**	**60**	3	10	12	13	23	8	21	6	3	165	80	50	7	8	**209**	**150**	**50**
1978	15	**99**	**92**	**63**	3	10	12	13	21	8	20	6	3	165	80	55	7	8	**209**	**147**	**55**
1979	15	**91**	**90**	**68**	3	10	12	13	22	7	20	6	4	163	80	55	7	9	**206**	**150**	**55**
1980	12	**92**	**76**	**65**	3	9	11	14	23	7	18	6	4	165	85	55	7	8	**208**	**152**	**55**

				OTHER AMERICAS																			
	U.S.A.			ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA		CUBA		MEXICO			PERU		URUGUAY	VENEZUELA
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	R	A	H	R	H	R	A	R	A	A	A
1975	**21**	**8**	**137**	1	4	2	13	11	7	13	1	1	3	2	+	3	7	9	1	1	1	3
1976	**24**	**7**	**130**	1	3	1	16	12	6	6	1	0	3	3	+	3	7	10	1	1	1	3
1977	**25**	**7**	**128**	1	3	1	11	12	6	11	1	0	3	2	+	3	7	9	1	1	1	3
1978	**21**	**7**	**137**	1	2	1	8	12	4	12	1	0	4	2	+	3	6	9	+	1	1	3
1979	**19**	**7**	**143**	1	3	1	7	15	3	14	1	0	4	2	+	3	6	8	+	1	1	3
1980	**14**	**7**	**140**	1	1	+	6	16	4	14	1	0	2	2	+	3	6	8	0	2	1	3

							OTHER AFRICA, ASIA & OCEANIA													
	TOTAL OTHER AMERICAS			JAPAN			AUSTRALIA		INDIA			PAKISTAN	REP. OF KOREA		OTHER[b]	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	H	R	A	H	R+C	A	H	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A
1975	**19**	**25**	**39**	**5**	**74**	**24**	1	2	19	32	2	3	8	2	63	**20**	**103**	**9**	**362**	**458**	**316**
1976	**23**	**24**	**31**	**5**	**75**	**29**	0	0	18	41	2	3	12	2	68	**18**	**121**	**7**	**388**	**491**	**309**
1977	**17**	**24**	**35**	**4**	**74**	**29**	0	0	17	40	2	3	11	2	74	**17**	**125**	**7**	**379**	**484**	**309**
1978	**14**	**21**	**35**	**4**	**78**	**28**	0	0	18	42	2	2	11	2	80	**18**	**133**	**6**	**365**	**478**	**324**
1979	**13**	**25**	**35**	**3**	**80**	**31**	0	0	17	42	2	2	11	2	84	**17**	**137**	**6**	**349**	**489**	**338**
1980	**12**	**24**	**34**	**3**	**84**	**32**	0	0	14	42	2	3	10	2	90	**14**	**142**	**7**	**343**	**485**	**333**

H means high tenacity (tire & industrial type) viscose rayon yarn. **R** means regular+intermediate tenacity viscose rayon yarn. **C** means cuprammonium rayon yarn. **A** means acetate+triacetate yarn.

a. "Other West Europe" comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. "Other Africa, Asia & Oceania" comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

1980 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)

THOUSAND METRIC TONS

COUNTRY & AREA	RAYON+ACETATE YARN				RAYON+ACETATE STAPLE				NON-CELLULOSIC YARN				NON-CELLULOSIC STAPLE				TOTAL MAN-MADE FIBERS					
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMPORT	EXPORT	R+A SPUN	N-C SPUN	NET AVAIL
WEST EUROPE																						
AUSTRIA	15.3	3.4	12.5	6.2	100.6	4.6	80.0	25.2	0	25.6	3.6	22.0	25.4	15.8	14.3	26.9	141.3	49.4	110.4	-11.7	-6.2	62.4
BENELUX	37.4	13.6	40.9	10.1	22.0	30.4	29.2	23.2	71.9	130.3	107.9	94.3	32.4	99.4	66.7	65.1	163.7	273.7	244.7	+11.1	+23.7	227.5
EIRE (IRELAND)	0	0.4	0.3	0.1	0	0.6	0.5	0.1	10.0	19.6	6.2	23.4	31.7	28.0	1.9	57.8	41.7	48.6	8.9	-0.3	+1.5	82.6
FINLAND	0.6	1.3	0.6	1.3	47.2	2.7	44.8	5.1	0.4	11.7	1.0	11.1	0	12.0	–	12.0	48.2	27.7	46.4	+1.3	+3.7	34.5
FRANCE	16.4	17.9	21.0	13.3	49.6	15.2	6.9	57.9	65.3	81.2	65.5	81.0	126.7	56.2	58.1	124.8	258.0	170.5	151.5	-2.3	-1.3	273.4
GERMANY, FED. REP. OF	65.2	27.7	43.1	49.8	46.0	35.6	29.2	52.4	317.7	99.6	256.2	161.1	402.4	90.6	286.0	207.0	831.3	253.5	614.5	+2.2	+9.4	481.9
GREECE	7.2	0.9	3.3	4.8	0	2.7	0.1	2.6	9.0	5.9	1.2	13.7	10.0	23.6	3.4	30.2	26.2	33.1	8.0	0	–	51.3
ITALY/MALTA	36.6	23.2	12.3	47.5	27.5	29.1	2.6	54.0	124.9	58.0	92.8	90.1	229.9	119.2	126.2	222.9	418.9	229.5	233.9	-5.3	-39.5	369.7
NORWAY	0	0.9		0.9	28.4	1.0	23.3	6.1	0	7.1	0.7	6.4	0	4.1	–	4.1	28.4	13.1	24.0	+0.4	+2.0	19.9
PORTUGAL	2.7	2.0	0.5	4.2	0.7	10.8		11.5	1.4	17.5	2.2	16.7	32.1	14.1	1.5	44.7	36.9	44.4	4.2	-1.5	+8.1	83.7
SPAIN	12.8	1.6	2.6	11.8	40.1	10.4	10.1	40.4	64.9	16.3	8.9	72.3	142.5	53.5	40.4	155.6	260.3	81.8	62.0	-2.0	-11.1	267.0
SWEDEN	0	2.7	0.3	2.4	34.9	4.9	31.1	8.7	0.1	18.7	3.1	15.7	0	8.1	–	8.1	35.0	34.4	34.5	+0.6	+3.5	39.0
SWITZERLAND	1.8	1.7	2.4	1.1	0	8.8	–	8.8	60.7	8.5	56.1	13.1	23.7	14.7	19.0	19.4	86.2	33.7	77.5	+0.6	-3.7	39.3
TURKEY	0.3	1.3	–	1.6	5.0	1.7	0	6.7	28.0	11.7	–	39.7	70.0	10.9	2.6	78.3	103.3	25.6	2.6	0	0	126.3
UNITED KINGDOM	36.7	18.6	34.2	21.1	109.3	33.1	95.7	46.7	125.9	93.1	83.0	136.0	161.7	60.9	125.8	96.8	433.6	205.7	338.7	-3.9	+9.8	306.5
TOTAL WEST EUROPE	**233.0**	**117.2**	**174.0**	**176.2**	**511.3**	**191.6**	**353.5**	**349.4**	**880.2**	**604.8**	**688.4**	**796.6**	**1288.5**	**611.1**	**745.9**	**1153.7**	**2913.0**	**1524.7**	**1961.8**	**-10.8**	**-0.1**	**2465.0**
U.S.A.	**161.3**	**3.8**	**18.7**	**146.4**	**204.3**	**4.7**	**32.2**	**176.8**	**1411.6**	**9.7**	**190.8**	**1230.5**	**1830.5**	**17.4**	**332.2**	**1515.7**	**3607.7**	**35.6**	**573.9**	**–**	**-4.5**	**3064.9**
OTHER AMERICAS																						
ARGENTINA	2.0	1.0	0.1	2.9	1.5	0.9	0.7	1.7	21.3	2.4	1.2	22.5	12.9	6.9	0.3	19.5	37.7	11.2	2.3	0	+0.1	46.7
BRAZIL	26.0	2.0	3.8	24.2	25.3	3.1	0.9	27.5	136.4	6.9	0.8	142.5	95.0	7.9	4.5	98.4	282.7	19.9	10.0	–	+0.1	292.7
CANADA	14.0	7.7	5.8	15.9	30.0	4.2	21.0	13.2	74.0	38.2	11.9	100.3	48.0	36.7	9.0	75.7	166.0	86.8	47.7	+0.2	+5.3	210.6
CHILE	1.0	0.2	0	1.2	3.0	0.3	0	3.3	5.0	1.2	0	6.2	2.5	6.4	0	8.9	11.5	8.1	0	0	+0.1	19.7
COLOMBIA	2.4	0.2	0	2.6	0	2.5	0	2.5	23.0	5.7	0	28.7	10.9	4.3	0	15.2	36.3	12.7	0	–	+0.1	49.1
COSTA RICA	0	*	0	*	0	0.2	0	0.2	3.0	0.9	–	3.9	0	1.5	0	1.5	3.0	2.6	–	–	0	5.6
CUBA	2.2	0.3	0	2.5	3.8	0.4	0	4.2	0	0.9	0	0.9	0	2.0	0	2.0	6.0	3.6	0	+0.1	+2.3	12.0
ECUADOR	0	0.2	0	0.2	0	2.0	0	2.0	3.5	2.7	0	6.2	0	5.6	0	5.6	3.5	10.5	0		–	14.0
MEXICO	16.8	0.1	0.7	16.2	11.0	4.2	2.8	12.4	137.0	4.6	1.5	140.1	102.4	8.6	0.5	110.5	267.2	17.5	5.5	0	-0.8	278.4
PERU	1.5	0.1	0.1	1.5	0	1.8	0	1.8	10.5	2.5	0	13.0	22.5	5.0	–	27.5	34.5	9.4	0.1	–	–	43.8
URUGUAY	1.3	0.2	0.6	0.9	0	1.7	0	1.7	1.1	0.2	–	1.3	2.6	1.2	0.2	3.6	5.0	3.3	0.8	0	0	7.5
VENEZUELA	2.8	0.3	0	3.1	0	5.4	0	5.4	11.5	2.0	0	13.5	6.0	2.7	0	8.7	20.3	10.4	0	0	–	30.7
TOTAL OTHER AMERICAS	**70.0**	**12.3**	**11.1**	**71.2**	**74.6**	**26.7**	**25.4**	**75.9**	**426.3**	**68.2**	**15.4**	**479.1**	**302.8**	**88.8**	**14.5**	**377.1**	**873.7**	**196.0**	**66.4**	**+0.3**	**+7.2**	**1010.8**
JAPAN	**119.3**	**1.5**	**42.7**	**78.1**	**278.0**	**0.3**	**135.3**	**143.0**	**625.7**	**25.1**	**114.5**	**536.3**	**731.1**	**22.2**	**243.5**	**509.8**	**1754.1**	**49.1**	**536.0**	**-4.5**	**-39.8**	**1222.9**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA/N.Z.	0	2.4	–	2.4	0	1.6	0.2	1.4	13.0	9.6	0	22.6	–	16.1	0.2	15.9	13.0	29.7	0.4	+0.9	+8.8	52.0
BANGLADESH	3.5	0	0.1	3.4	0	4.3	0	4.3	0.3	0.7	0	1.0	0	0.1	0	0.1	3.8	5.1	0.1	0	–	8.8
EGYPT	6.0	0.5	0	6.5	4.0	1.1	0.7	4.4	1.8	5.7	0	7.5	5.0	4.4	0.1	9.3	16.8	11.7	0.8	–	+0.4	28.1
INDIA	57.7	1.4	1.8	57.3	74.7	40.4		115.1	39.7	12.8	0.3	52.2	30.8	6.7	–	37.5	202.9	61.3	2.1	0	+0.4	262.5
INDONESIA	0	3.2	0	3.2	0	22.7	0	22.7	41.5	11.7	0.6	52.6	53.9	17.2	0	71.1	95.4	54.8	0.6	+1.9	+4.0	155.5
IRAN	0	4.3	0	4.3	0	36.6	0	36.6	4.5	12.2	0	16.7	0	28.9	–	28.9	4.5	82.0	–	+0.4	+11.7	98.6
IRAQ	3.0	0.9		3.9	5.5	0.9	0	6.4	0	7.6	0	7.6	0	4.6	0	4.6	8.5	14.0	–	+0.5	+4.5	27.5
ISRAEL	0	0.3		0.3	0	0.7	0	0.7	10.5	9.1	4.1	15.5	6.6	3.4	1.2	8.8	17.1	13.5	5.3	+0.2	+0.6	26.1
KOREA, REPUBLIC OF	12.4	6.7	3.4	15.7	15.0	7.9	1.0	21.9	255.2	11.7	17.9	249.0	281.2	13.4	29.5	265.1	563.8	39.7	51.8	-3.8	-56.9	491.0
MALAYSIA	0	0.6	–	0.6	0	12.3	1.4	10.9	0	12.1	0.1	12.0	36.0	15.1	4.7	46.4	36.0	40.1	6.2	+0.1	-3.5	66.5
NIGERIA	0	1.8	0	1.8	0	1.6	0	1.6	2.5	16.2	1.0	17.7	2.5	1.7	2.2	2.0	5.0	21.3	3.2	+3.3	+10.7	37.1
PAKISTAN	2.7	2.4	0	5.1	0	11.3	0	11.3	1.5	11.9	0	13.4	0	11.2	0	11.2	4.2	36.8	0	0	+0.1	41.1
PHILIPPINES	0	0.4	0	0.4	0	15.0	0	15.0	30.0	3.1	2.1	31.0	14.0	14.6		28.6	44.0	33.1	2.1	+0.7	+1.1	76.8
SOUTH AFRICA	0	5.0		5.0	0	14.4	0.1	14.3	33.5	17.1	0.5	50.1	20.0	30.3	–	50.3	53.5	66.8	0.6	+0.1	-0.7	119.1
TAIWAN	3.0	1.5	0.9	3.6	75.3	8.8	11.8	72.3	264.6	12.5	111.8	165.3	293.2	37.8	46.2	284.8	636.1	60.6	170.7	-7.1	-45.8	473.1
THAILAND	0	0.8	0.1	0.7	16.4	1.5	0.1	17.8	36.5	1.2	16.4	21.3	49.5	5.6	4.5	50.6	102.4	9.1	21.1	–	+0.5	90.9
TOTAL A, A & O ABOVE	**88.3**	**32.2**	**6.3**	**114.2**	**190.9**	**181.1**	**15.3**	**356.7**	**735.1**	**155.2**	**154.8**	**735.5**	**792.7**	**211.1**	**88.6**	**915.2**	**1807.0**	**579.6**	**265.0**	**-2.8**	**-64.1**	**2054.7**
HUNGARY	0	16.0	0.2	15.8	9.0	15.7	4.4	20.3	5.8	10.6	0.4	16.0	13.8	16.1	6.4	23.5	28.6	58.4	11.4	0	+3.4	79.0
POLAND	25.4	2.4	2.1	25.7	61.0	12.2	0.2	73.0	94.5	11.4	5.6	100.3	68.5	38.1	5.9	100.7	249.4	64.1	13.8	+0.4	+4.5	304.6

See text on page 106.

WORLD MAN-MADE FIBER PRODUCERS

ARGENTINA

COAFI S.A.
Polyester   Buenos Aires   (yarn)

DUCILO S.A.I.C.
Nylon 66   Berazategui & Mercedes   *Nylon Ducilo* (yarn)
Spandex   Mercedes   (fused multifil or coalesced monofil)

FIBRAS INDUSTRIALES S.A.C. e I.
Nylon 6   Quilmes   *Caprolan* (yarn & staple)

HISISA ARGENTINA S.A.I.C.I.F.
Acrylic   Baradero   *Cashmilon* (staple)

MITEXTIL S.A.
Nylon 6   Buenos Aires   (yarn)

M. NAHMIAS S.A.C.I.
Polyester   Buenos Aires   (yarn)

NICIEZA y TAVERNA HNOS. S.A.
Nylon 6   Chivilcoy   *Grilon* (monofil)

PETROQUIMICA SUDAMERICANA S.A.
Nylon 6   Olmos-La Plata   (yarn & staple)
Polyester   Olmos-La Plata   *Dicrolene* (yarn & staple)

RHODIA ARGENTINA QUIMICA e TEXTIL
Acetate   Quilmes   (yarn)
Polyester   Quilmes   *Tergal* (yarn)

SOCIEDAD NUEVAS INDUSTRIAS ARGENTINAS FIBRAS ARTIFICIALES S.A.I.C.F.I. (SNIAFA)
Nylon 6   Hernández-La Plata   *Snialon* (yarn)
Rayon   Plátanos   (reg yarn & staple)

SUDAMTEX S.A. TEXTIL SUDAMERICANA
Polyester   Azul   *Acrocel* (staple)

VALENCIANA ARGENTINA S.A.
Nylon 6   Buenos Aires   (yarn)

OLEFIN FIBER

MANUFACTURA FORTI ARGENTINA S.A.C.I.A.F.I.   Buenos Aires
(P yarn & staple)

NOTES & DEFINITIONS FOR THIS WORLD DIRECTORY

This directory of producers separates the listing for each country into: (1) the cellulosic plus the non-cellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

• means that the company produces olefin fiber as well as other man-made fiber(s). For example, Brasil Viscose S.A. produces olefin fiber in Brazil as well as nylon and rayon. The nylon and rayon entries for this company are in one section and the olefin entry is shown in the Olefin Fiber section.

* indicates that a new plant, or facilities for producing a new product at an existing plant, is in the planning or construction stage; such facilities are not expected to be operable before 1983 or later. Other product plants are operable today or are expected to be operable during 1982.

The locality shown is the plant site.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.

Film includes **Slit**: tape produced by slitting an already-attenuated wide sheet of olefin film, and **Split**: fibrillated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The generic fiber names used in this survey are mainly those promulgated by the U.S. Federal Trade Commission (FTC). Following are those generic names (in **bold** type) and a brief description of the fibers covered by each name.

The *italicized* words are trademarks. All other fiber names are generic and are shown in regular type.

TEXTILE GLASS FIBER

A fiber made in two primary forms, namely, continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber.

Textile glass fiber is produced and sold as filament yarn, strand, roving, mat, chopped strand, milled fiber and staple yarn & sliver. See the complete definition on page 147 of the September 1981 *Organon*.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate. Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate. Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon. Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra means cuprammonium rayon.

The viscose rayon yarns are identified as ind (industrial or high tenacity yarn) and reg (regular or textile yarn).

NON-CELLULOSIC (SYNTHETIC) FIBERS

Acrylic. At least 85% acrylonitrile by weight.

Modacrylic. 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon. Regenerated natural protein.

Nylon. A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid. A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin. At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester. At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran. At least 80% vinylidene chloride by weight.

Spandex. At least 85% of segmented polyurethane.

Vinal. At least 50% by weight vinyl alcohol and wherein the vinyl alcohol plus acetal units are at least 85% by weight.

Vinyon. At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are **Polycarbonate** (U.S.A.), **Polychlal** (Japan), **Promix** (Japan) and **TFE-** & **FEP-fluorocarbon** (Fluoro) (Japan, U.S.A. & U.S.S.R.).

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

International Standard #2076, "Generic Names of Man-Made Fibres," as promulgated by the International Organization for Standardization, lists some 23 names, of which the following are similar to the FTC designations: cupro, viscose, acetate, triacetate, acrylic, modacrylic, nylon or polyamide, polyester and glass. The ISO also lists modal (regenerated cellulose obtained by processes giving a high tenacity and a high wet modulus), alginate (metallic salts of alginic acid), chlorofibre (similar to the FTC's saran and vinyon), elastane (similar to the FTC's spandex), elastodiene, fluorofibre, polycarbamide, polyethylene & polypropylene (similar to the FTC's olefin), polyurethane, trivinyl and vinylal (similar to the FTC's vinal).

ARGENTINA *(Continued)*

PANAMERICA DE PLASTICOS S.A.I.C. Olivos (P staple)

TEXTILYUTE S.A.I.C. Isidro Casanova (P film)

VINISA S.A.I.C. Buenos Aires *Rafistal, Strofil* (E & P monofil)

TEXTILE GLASS FIBER

VIDRIERIA ARGENTINA S.A. (VASA)
Llavallol *Texover*

AUSTRALIA

FIBREMAKERS LTD.
Nylon 66 Bayswater, Victoria *Bri-Nylon* (yarn & monofil)
Penrith, N.S.W. (tire cord)
Biconstituent Mulgrave, Victoria *Front Runner* (melded fabric)
Polyester Bayswater *Terylene* (yarn, staple & tow)

UNITED CARPET MILLS PTY. LTD.
Nylon 6 Thomastown, Victoria *Unilon* (yarn)
Polyester Thomastown (yarn)

In addition to the above, VILENE AUSTRALIA reportedly produces spunbonded products at Minto, N.S.W.; these are believed to be principally based on cellulosic fiber, but some polypropylene may be used.

OLEFIN FIBER

AMOCO FABRICS COMPANY, PATCHOGUE PLYMOUTH DIVISION
Liverpool, N.S.W. *Poly Bac, Propex* (P film)

SARLON INDUSTRIES PTY. LTD. Punchbowl, N.S.W. (E & P monofil & film)

The following companies produce olefin film fiber: A. ABRAHAMS & SONS PTY. LTD., Clayton, Victoria (*Koala, Polytex*); CORDEX INDUSTRIES PTY. LTD., Gladesville, N.S.W.; GEO. KINNEAR & SONS PTY. LTD., Footscray, Victoria (*Emu*); H. J. PENNO, Adelaide, South Australia; and TAPEX PTY. LTD., Sydney, N.S.W.

TEXTILE GLASS FIBER

AUSTRALIAN FIBREGLASS PTY. LIMITED
Dandenong, Victoria *A.C.I. Fibreglass*

AUSTRIA

AUSTRIA FASERWERKE G.m.b.H.
Polyester Lenzing *Trevira* (staple)

CHEMIEFASER LENZING A.G.•
Fluoro Lenzing (yarn & staple)
Rayon Lenzing (staple)

ENKA-AUSTRIA (formerly Erste Österreichische Glanzstoff-Fabrik A.G.)
Rayon St. Pölten (ind & reg yarn)

OLEFIN FIBER

CHEMIE LINZ A.G. Linz *Asota, Linz PP Multifil, Linz PP Vlies*
(P yarn, staple & spunbonded)

The following companies produce olefin film fiber: CHEMIEFASER LENZING A.G., Lenzing; M. TEUFELBERGER, Wels; and SEUTTER, Unter Eggendorf.

BANGLADESH

ASHUGANJ PETROCHEMICAL COMPLEX
Acrylic Ashuganj• (staple)

KARNAPHULI RAYON AND CHEMICALS LIMITED
Rayon Chandraghona, Chittagong (reg yarn & staple•)

PYLON INDUSTRIES LIMITED
Nylon 6 Fouzdarhat Industrial Estate, Chittagong *Pylon* (yarn)

BELGIUM

AMCEL EUROPE, S.A.
Acetate Lanaken, Limburg (yarn)
Triacetate Lanaken (yarn)

N.V. BAYER S.A.
Nylon 6 Antwerpen *Dorix* (staple)

BEAULIEU-NYLON S.A.•
Nylon 6 Kruishoutem, East Flanders (yarn)

FABELTA NINOVE S.A.
Rayon Ninove, East Flanders (reg yarn)

FABELTA TUBIZE S.A.
Acrylic Tubize, Brabant *Acribel* (staple)

FABELTA ZWIJNAARDE S.A.
Nylon 66 Zwijnaarde, East Flanders *Fabelnyl* (yarn)
Rayon Zwijnaarde (staple)

OLEFIN FIBER

DELOTEX (P staple)

N.V. FIBRILO Zele, East Flanders (P staple & film)

S.A. LA LOKEROISE Lokeren, East Flanders (P staple)

OSTEND STORES & ROPEWORKS S.A. Ostend, West Flanders

POLYFIL N.V. (subsidiary of Beaulieu) Wielsbeke (P yarn)

T.T.C. POLYOLEFINS S.A. Overpelt, Limburg (P monofil)

The following companies produce olefin film fiber: N.V. JONCKVANSTEEN, Passendale; S.A.PHORMIUM, Zele, East Flanders; POLYTEXCO S.P.R.L., Beveren, Kortryk; and S.A. U.C.O., Ledeberg, Gent.

TEXTILE GLASS FIBER

N.V. BAYER S.A.
Antwerpen

OWENS-CORNING FIBERGLAS EUROPE S.A.
Battice, Liège *Fiberglas*

Rayon+acetate production data are combined with the Netherlands on page 110. Non cellulosic production data are combined with the Netherlands and Luxembourg under "Benelux" on page 108.

BOLIVIA

TEXTURBOL TEXTURIZADORA BOLIVIANA
Polyester La Paz (yarn)

BRAZIL

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE•
Nylon 6 Igarassu, Pernambuco (monofil)

BANYLSA TECELAGEM DO BRASIL S.A.
Nylon 6 Aratú, Bahia *Fio Banylsa Nylon* (yarn)
Polyester Aratú *Fio Banylsa Poliester* (yarn)

BRASIL VISCOSE S.A.•
Nylon 6 Jundiapeba, São Paulo *Giorgilon* (staple)
Rayon Jundiapeba (staple)

CELANESE DO BRASIL - FIBRAS QÚIMICAS LTDA.
Nylon 66 São Bernardo do Campo, São Paulo *Celtrel, Celtrel BCF* (yarn)
Polyester São Bernardo do Campo *Fortrel* (yarn),
Pocos de Caldas, Minas Gerais *Fortrel* (staple)

CELANESE DO BRASIL NORDESTE S.A.
Polyester Aratú, Bahia *Fortrel* (yarn & staple)

CIA. BRASILEIRA DE SINTÉTICOS
Nylon 6 Osasco, São Paulo (yarn)
Polyester Osasco *Trevira* (yarn)

CIA. NITRO QÚIMICA BRASILEIRA
Rayon São Miguel Paulista, São Paulo (reg yarn)

COBAFI - CIA. BAHIANA DE FIBRAS
Nylon 6 Camaçari, Bahia (yarn)

DE MILLUS S.A. INDÚSTRIA E COMÉRCIO
Nylon 6 Rio de Janeiro, Rio de Janiero *Demilon* (yarn)

DU PONT S.A. INDÚSTRIAS QÚIMICAS
Spandex Paulinia, São Paulo *Lycra* (fused multifil)

EQUIPESCA - EQUIPAMENTOS DE PESCA S.A.
Nylon 6 - Campinas, São Paulo (monofil)

FIAÇÃO BRASILEIRA DE RAYON - FIBRA S.A.
Nylon 6 Americana & São Paulo, São Paulo *Lilion* (yarn)
Polyester São Paulo (yarn)
Rayon Americana (reg yarn & staple)

FISIBA - FÍBRAS SINTÉTICAS DA BAHIA S.A.
Acrylic Camaçari, Bahia *Triana* (staple)

INDÚSTRIAS MATARAZZO DE FÍBRAS SINTÉTICAS S.A.
Nylon 6 São José dos Campos, São Paulo (yarn)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS•
Nylon 6 Osasco, São Paulo *Caicara* (monofil)

BRAZIL *(continued)*

MARCATTO S.A. IND. E COM.•
Nylon 6 Jaraguá do Sul, Santa Catarina (monofil)

MAZZAFERRO POLIMEROS E FIBRAS SINTÉTICAS LTDA.
Nylon 6 São Bernardo do Campo, São Paulo *Grilon, Trilon* (yarn & monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS•
Nylon 6 São Paulo, São Paulo (monofil)

NOVELSPUMA - ESPUMA DE NYLON S.A.
Nylon 6 São Paulo, São Paulo (yarn)

POLYENKA S.A.
Polyester Americana, São Paulo *Diolen* (yarn)

POLYNOR S.A. INDÚSTRIA E COMÉRCIO DE FIBRAS SINTÉTICAS DA PARAÍBA
Polyester João Pessoa, Paraíba *Amilon, Polynor* (yarn & staple)

RHODIA S.A.
Acetate Santo André, São Paulo (yarn)
Acrylic São José dos Campos, São Paulo *Crylor* (staple)
Nylon 66 Santo André *Dropnyl, Rhodianyl* (yarn & staple)
Polyester Santo André *Dropgal Tergal, Tergal* (yarn & staple)
São José dos Campos *Bidim* (spunbonded)
Rayon São José dos Campos (ind yarn & staple)

RHODIA NORDESTE S.A.
Polyester Cabo, Pernambuco *Dropgal, Tergal* (yarn & staple)

SEARA IND. TÊXTIL LTDA.•
Nylon 6 Londrina, Paraná (monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO•
Nylon 6 São Paulo, São Paulo (yarn)

OLEFIN FIBER

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE Igarassu, Pernambuco (E & P monofil)

BRASIL VISCOSE S.A. Jundiapeba, São Paulo (P staple)

ETRÚRIA S.A. INDÚSTRIA DE FIBRAS E FIOS SINTÉTICOS Mairinque, São Paulo (P staple)

FADEMAC - FABRICA DE MATERIAIS DE CONSTR. S.A. Jacarei, São Paulo (P staple)

FITESA - FIÃÇAO TÊXTIL DE EMBALAGENS PLÁSTICAS S.A. Guaiba, Rio Grande do Sul (P staple) & Porto Alegre, Rio Grande do Sul (P film)

INYLBRA S.A. TAPETES E VELUDOS Diadema, São Paulo (P staple)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS Osasco, São Paulo (P monofil)

MARCATTO S.A. IND. E COM. Jaragua do Sul, Santa Catarina (E & P monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS São Paulo, São Paulo (P monofil)

SEARA IND. TÊXTIL LTDA. Londrina, Paraná (E & P monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO São Paulo, São Paulo *Fibrilene, Polylene, Polyplan, Prolene* (P yarn, staple & film)

TAPETELENE - INDUSTRIA S.A. Pajucara/Maramguape, Cearé (P staple)

TINTORIA S.A. - BENEFICIAMENTO DE FIOS (P yarn)

The following companies produce only olefin film fiber: BRASMEN TOL CACAPAVA S.A., Cacapava, São Paulo; CACIQUE DE EMBALAGENS S.A. INDÚSTRIA E COMÉRCIO, Londrina, Paraná; C.A.T.A. - CIA. AMAZONIA TÊXTIL DE ANIAGEM S.A., Belém, Pará; CIA. FAB. YOLANDA S.A., Recife, Pernambuco; CIA. JAUENSE INDUSTRIAL, Jau, São Paulo; CIA. UNIÃO MANUFATORA DE TECIDOS, Rio de Janeiro, Rio de Janeiro; DICOPLAST S.A. INDÚSTRIA E COMÉRCIO DE PLÁSTICOS, Presidente Prudente, São Paulo; EMPLA - EMBALAGENS PLÁSTICAS S.A., Rio de Janeiro, Rio de Janeiro; FIBRASA IND. E COM. DE FIOS E EMBALAGENS S.A., Espirito Santo; FIBROTEX TECELAGEM DE FIBRAS S.A., São Paulo, São Paulo; IMPLASA - INDÚSTRIA DE PLÁSTICOS ZANIOLO S.A., São José dos Pinhais, Paraná; INDÚSTRIA TÊXTIL TSUZUKI LTDA., Suzano, São Paulo; IPLAC DO BRASIL S.A. PLÁSTICOS INDUSTRIAIS, Fortaleza, Ceará•; NOVOPLAST IND. E COM. DE PLÁSTICOS, Nova Odessa, São Paulo; PLABASA - PLÁSTICOS DA BÁHIA S.A., Salvador, Báhia; PLASMINAS - PLÁSTICOS MINAS LTDA., Tres Pontas, Minas Gerais; PLÁSTICOS DO PARANÁ LTDA., Londrina, Paraná; PLÁSTICOS LINIL S.A., Recife, Pernambuco; PLÁSTILIRA INDÚSTRIA DE EMBALAG LTDA., Campinas, São Paulo; QUALITAS IND. E COM. LTDA., São Paulo Paulo; and SACOPLAST/PLANOSA - PLÁSTICOS DO NORDESTE S.A., Rio Grande do Norte.

TEXTILE GLASS FIBER

OCFIBRAS
Rio Claro, São Paulo *Fiberglas*

BULGARIA

KOMBINAT "DIMITAR DOMOV"•
Acrylic Burgas *Bulana* (staple)
Nylon 6 Vidin *Vidlon* (yarn)
Polyester Yambol *Yambolen* (yarn, staple & tow)

KOMBINAT "SVILOSA"
Rayon Svishtov (reg yarn & staple)

OLEFIN FIBER

KOMBINAT "DIMITAR DOMOV" Yambol• (P staple)

CANADA

BADISCHE CANADA LIMITED
Nylon 6 Arnprior, Ontario *Zefran* (yarn & staple)

CELANESE CANADA INC., FIBRES DIVISION•
Acetate Drummondville, Quebec (yarn)

CELANESE CANADA (MILLHAVEN) INC. (formerly Millhaven Fibres Lim
Polyester Millhaven, Ontario *Fortrel* (yarn, staple, tow & fiberfill)

COURTAULDS (CANADA) LIMITED
Rayon Cornwall, Ontario (staple)

DU PONT CANADA INC.•
Nylon 66 Kingston, Ontario *Antron, Cantrece, Du Pont* (yarn, staple & tow)
Polyester Kingston, Ontario *Dacron* (yarn)
Spandex Maitland *Lycra* (fused multifil)

FIRESTONE TEXTILES CO. - A DIVISION OF FIRESTONE CANADA LTD.-L
Nylon 6 Woodstock, Ontario (yarn & monofil)

MILLHAVEN FIBRES LIMITED - See Celanese Canada (Millhaven) Inc.

OLEFIN FIBER

AMOCO FABRICS CO. Brantford & Hawkesbury, Ontario (E & P monofil & P film)

CALKO MILLS LTD. Rivière du Loup, Quebec (P monofil)

CANADA WESTERN CORDAGE CO., LTD. New Westminster, B.C. (P monofil)

CELANESE CANADA INC., FIBRES DIVISION St. Jean, Quebec *Protel* (P yarn & staple)

DOON TWINES LTD. Kitchener, Ontario (P yarn, monofil & staple)

DU PONT CANADA INC. North Bay, Ontario (P film)

GUELPH TWINES LTD. Guelph, Ontario (P monofil & film)

NOVASTRAND St. John, New Brunswick (P monofil)

POLI-TWINE CORP. LTD. Belleville, Ontario & Saskatoon, Saskatchewan *Polytie, PolyTwine, Spiralok* (P monofil)

SCHLEGEL COMPANY CANADA LTD. Oakville, Ontario (P monofil)

STRUDEX FIBRES LTD., DIVISION OF KRAUS CARPET MILLS LTD. Waterloo, Ontario (P yarn & staple - captive)

The following companies produce olefin film fiber: FIBERWORLD, L Hawkesbury, Ont.; and POLYMER INTERNATIONAL (N.S.) LTD., Truro, N

TEXTILE GLASS FIBER

FIBERGLAS CANADA LIMITED
Guelph, Ontario *Fiberglas*

CHILE

GOODYEAR DE CHILE, S.A.I.C.
Nylon 6 Maipú, Santiago (yarn & monofil)

INDUSTRIAS QUÍMICAS GENERALES S.A.
Rayon Quillota, Valparaiso (ind yarn & staple)

LANERA AUSTRAL S.A.
Polyester Santiago (staple & tops)

MANUFACTURAS SUMAR S.A.
Nylon 6 El Pinar 172, Santiago *Crilobal* (yarn)
Polyester El Pinar 172 *Poligal* (yarn & staple)

CHILE *(Continued)*

QUIMÍCA INDUSTRIAL S.A.
Polyester Maipú, Santiago *Polycron* (staple & tops)

"RAYONHIL," INDUSTRIA NACIONAL DE RAYON S.A.
Rayon Llolleo, Santiago (reg yarn & staple)

OLEFIN FIBER

TEJIDOS PLASTICOS INTERPLAST S.A. Santiago, Santiago (P film)

CHINA, PEOPLE'S REPUBLIC OF

Reliable information on locations of man-made fiber plants in the People's Republic of China is not available.

Rayon plants have been reported at Amoy, Antung, Canton, Foshan, Kirin, Nanchang, Nanking, Paoting and Shanghai. However, only the plants at Antung and Shanghai can be confirmed.

Non cellulosic plants are reported at Canton (vinyon), Chungking (vinyon), Foochow (vinyon), Lanchow (olefin & vinal), Liaoyang (nylon & polyester), Peking (nylon, polyester & vinal), Pingtingshan (nylon), Shanghai (acrylic, polyester & vinyon), Shengli (vinyon), Shenyang (nylon & polyester) and Tientsin (polyester & vinyon). Others have been reported at Chenchiang, Harbin (acrylic), Hsinhsiang, Paoting (nylon), Sian and Sining (vinyon).

The following three plants have been reported as producing textile glass fiber: Shanghai Glass Fiber Plant, Shanghai Tungfanghung Glass Fiber Plant and Tientsin Glass Fiber Plant.

COLOMBIA

CELANESE COLOMBIANA, S.A.
Acetate Yumbo, near Cali, Valle del Cauca (yarn)
Nylon 6 Sabaneta, Antioquia *Nylocel* (yarn)
Polyester Yumbo *Fortrel* (yarn & staple)

COLTEFIBRAS S.A.
Polyester Igatui, Antioquia• (yarn & staple)

ENKA DE COLOMBIA S.A.
Nylon 6 Girardota, Antioquia *Enkalon* (yarn)
Polyester Girardota *Terlenka* (yarn & staple)

FABRICA DE HILAZAS VANYLON S.A.
Nylon 6 Barranquilla, Atlántico *Vanylon* (yarn & monofil)

POLIMEROS COLOMBIANOS S.A.
Polyester Medellin, Antioquia *Primel* (yarn, staple, tow & tops)

ZYLETTE (LAFAYETTE)
Polyester Bogotá (yarn)

The following companies produce olefin film fiber: COMPANIA NACIONAL DE EMPAQUES S.A., Medellin; PLASTICOS DE MAGDELENA LTDA., Santa Marta; and POLYMER DE COLOMBIA S.A., Cartagena.

TEXTILE GLASS FIBER

OWENS-CORNING FIBERGLAS COLOMBIA, S.A.
Bogotá *Fiberglas*

COSTA RICA

OLYMPIC FIBERS, S.A.
Polyester San Antonio de Belén (yarn)

CUBA

INDUSTRIAS CONSOLIDADAS DE MATANZAS, S.A.
Rayon Matanzas (ind & reg yarn & staple)

CYPRUS

OLEFIN FIBER

LORDOS POLYSAC (LIMASSOL) LIMITED Limassol (P film)

CZECHOSLOVAKIA

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P.•
(GEORGE DIMITROV CHEMICAL WORKS, NATIONAL CORP.)
Rayon Bratislava, Slovakia (reg yarn & staple)

CHEMLON, N.P. (CHEMLON, NATIONAL CORPORATION)
Nylon 6 Humenné, Slovakia *Chemlon* (yarn)

CHEMOSVIT, N.P. (CHEMOSVIT, NATIONAL CORPORATION)•
Nylon 6 Svit, Slovakia *Sviton, Svitontex* (yarn & staple)
Rayon Svit (reg yarn)

SEVEROČESKÉ CHEMICKÉ ZÁVODY, N.P.
(NORTH BOHEMIAN CHEMICAL WORKS, NATIONAL CORP.)
Rayon Lovosice, Bohemia (ind yarn)

SILON, N.P. (SILON, NATIONAL CORPORATION)
Nylon 6 Planá nad Lužnicí, Bohemia *Silon* (yarn & monofil)
Polyester Planá nad Lužnicí *Tesil, Tetyro, Velana* (staple, tow & fiberfill)

SLOVENSKÝ HODVÁB, N.P.
(SLOVAKIAN FILAMENT YARN, NATIONAL CORPORATION)
Polyester Senica nad Myjavou, Slovakia *Slotera* (yarn)
Rayon Senica nad Myjavou (reg yarn)

SPOLANA, N.P. (SPOLANA, NATIONAL CORPORATION)
Rayon Neratovice, Bohemia (staple)

OLEFIN FIBER

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P. Bratislava *Istrona, Labren, Nobelex* (P yarn & staple)

CHEMOSVIT, N.P. Svit *Prolen, Texizol* (P yarn & spunbonded)

JUTA, N.P. Úpice, Bohemia (P spunbonded)

The following companies produce olefin film fiber: JUTA, N.P., Adamov, Moravia and Bernartice u Trutnova, Dvůr Králové, Jilemnice & Úpice, Bohemia; POVAŽSKÉ CHEMICKÉ ZÁVODY, N.P., Zilina, Slovakia, and TECHNOLEN, N.P., Lomnice nad Popelkou, Bohemia.

TEXTILE GLASS FIBER

SKLOPLAST, N.P. (SKLOPLAST, NATIONAL CORPORATION)
Trnava, Slovakia (yarn, chopped strand & mat)

VERTEX, N.P. (VERTEX, NATIONAL CORPORATION)
Litomyšl, Bohemia (yarn, roving, mat & staple yarn)

DENMARK

OLEFIN FIBER

A/S FIBERTEX Aalborg (P staple)

ESBJERG TOVVAERKSFABRIK A/S Esbjerg *Westflex* (E & P monofil & film; P staple)

JACOB HOLM VARDE A/S Varde *Danaklon, IHS* (E & P staple & [illegible]); *Krenit* (P reinforcing fiber)

R.F.W. PLAST-INDUSTRI A/S Vejle (P film)

ROBLON A/S Frederikshavn (P film)

ECUADOR

ECUATORIANA DE TEJIDOS DE PUNTA
Polyester Punta (yarn)

ENKADOR S.A.
Polyester Sangolqui, Pichincha (yarn)

FIBRATEX S.A.
Polyester Guayaquil, Guayas (yarn)

EGYPT

ESTABLISSEMENTS INDUSTRIELS POUR LA SOIE ET LE COTON S.A.A. (E.S.C.O.)
Rayon Cairo (reg yarn)

MISR AL-AMIRIYA INDUSTRIAL FIBRE CO.
Polyester Amiriya (yarn & staple)

SOCIETE MISR POUR LA RAYONNE S.A.A. (MISR RAYON CO.)
Nylon 6 Kafr-el-Dawar *Misrnylon* (yarn), *Misrylon* (staple)
Polyester Kafr el Dawar *Polymisr* (yarn)
Rayon Kafr-el-Dawar (reg yarn & staple)

EL SALVADOR

OLEFIN FIBER

FILAMENTOS Y PERFILES, S.A. (FILPERSA) San Salvador *Duraplen* (E & P monofil)

SALVAPLASTIC, S.A. San Salvador (P monofil)

FINLAND

KEMIRA OY SÄTERI
Rayon Valkeakoski (staple)

LAPPFIBER OY
Nylon 66 Tornio (yarn)

OLEFIN FIBER

The following companies produce olefin film fiber: MANILLA OY, Turku and PIIPPO OY, Lempäälä.

FINLAND *(Continued)*

TEXTILE GLASS FIBER

A. AHLSTROM OY GLASSFIBRE
Karhula *Kuitulasi* (roving & mat)

FRANCE

CELLATEX (a subsidiary of Rhône-Poulenc-Textile)
Rayon Givet, Ardennes & Grenoble, Isère (ind & reg yarn & staple)

COURTAULDS S.A.
Acrylic Pont du Leu, Coquelles, Pas-de-Calais *Courtelle* (staple)
Rayon Pont du Leu (staple)

MONTEFIBRE FRANCE S.A.
Nylon 6 St-Nabord, Vosges *Montefibre* (yarn)
Polyester St-Nabord *Montefibre* (yarn)

ETS. NYSAM
Nylon 6 St-Quentin, Aisne *Lilion* (yarn)

RHONE-POULENC-FIBERS (a subsidiary of Rhône-Poulenc-Textile)
Acrylic Colmar, Haut-Rhin *Crylor* (staple)
Nylon 66 Albi, Tarn; Givet, Ardennes; St-Laurent-Blangy, Pas-de-Calais & Valence (Drôme) *Nylfrance* (yarn & staple)
Polyester Bezons, Val d'Oise; Gauchy, Aisne & Valence *Tergal* (yarn & staple), *Bidim* (spunbonded)

RHOVYL (a subsidiary of Rhône-Poulenc-Textile)
Vinyon Tronville-en-Barrois, Meuse *Clévyl, Rhovyl, Thermovyl* (yarn & staple)

SOCIETE CHOMARAT
Nylon 6 Mariac (yarn captive)

OLEFIN FIBER

PLASTIQUE DE ROUBAIX Roubaix (P film & staple)

SODOCA FABRICATION DE NONTISSES SYNTHETIQUES S.A.R.L.
Neuf Brisach, Haut-Rhin (P spunbonded)

The following companies produce olefin film fiber: ETS. AMMANN & CIE., Saint-Louis; ETS. BATAILLE, Rosendael; BIHR FRERES S.A., Xertigny; BOUSSAC SAINT FRERES S.A., Flixecourt; and SEINE & LYS, Paris.

TEXTILE GLASS FIBER

OWENS-CORNING FIBERGLAS FRANCE
L'Ardoise, Gard *Fiberglas*

SAINT-GOBAIN INDUSTRIES, DIVISION VERRE TEXTILE
Chambéry, Savoie *Silionne, Stratifil, Stratimat, Verrane*

GERMAN DEMOCRATIC REPUBLIC

DEUTSCHE DEMOKRATISCHE REPUBLIK (EASTERN)

(Those facilities indicated by * are part of the trust VEB Chemiefaserkombinat Schwarza "Wilhelm Pieck.")

VEB CHEMIEFASERKOMBINAT SCHWARZA "WILHELM PIECK"
Nylon 6 Schwarza, Krs. Rudolstadt *Dederon* (yarn)
Rayon Schwarza (staple)

CHEMIEFASERWERK "FRIEDRICH ENGELS"*
Acrylic Premnitz, Krs. Rathenow *Wolpryla* (staple)
Nylon 6 Premnitz *Dederon* (staple)
Polyester Premnitz *Grisuten* (staple)
Rayon Premnitz (reg yarn)

CHEMIEFASERWERK "WILHELM-PIECK-STADT" GUBEN*
Nylon 6 Guben *Dederon* (yarn & monofil)
Polyester Guben *Grisuten* (yarn)

KUNSTSEIDENWERK "CLARA ZETKIN," ELSTERBERG*
Rayon Elsterberg, Krs. Greiz (reg yarn)

SÄCHSISCHES KUNSTSEIDENWERK "SIEGFRIED RÄDEL"*
Polyester Pirna• (yarn)
Rayon Pirna (ind, reg & cupra yarn)

SÄCHSISCHE ZELLWOLLE*
Rayon Plauen (staple)

SPINNSTOFFWERK "OTTO BUCHWITZ"*
Rayon Glauchau (staple)

ZELLSTOFF- UND ZELLWOLLWERKE WITTENBERGE*
Rayon Wittenberge (staple)

VEB FILMFABRIK FOTOCHEMISCHES KOMBINAT
Acrylic Wolfen, Krs. Bitterfeld *Wolpryla* (staple)
Rayon Wolfen (ind yarn & staple)
Vinyon Wolfen *Piviacid* (staple)

TEXTILE GLASS FIBER

VEB GLASSEIDENWERK
Oschatz *Glasseidengewebe, Glasseiden Roving, Glasseiden Stapelbindermatten, Glasseiden-Twist, Glasseiden-Zwirn, Roving-Gewebe*

GERMANY, FEDERAL REPUBLIC OF

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

BAYER A.G.
Acrylic Dormagen *Bayer-Textilfaser Dralon* (yarn & staple)
Nylon 6 Dormagen *Perlon-Draht* (monofil)
Spandex Dormagen *Bayer-Textilfaser Dorlastan* (fused multifil)

BOLTA WERKE G.m.b.H.
Saran Nürnberg *Bolta* (monofil)

DU PONT DE NEMOURS (DEUTSCHLAND)
Nylon 66 Uentrop, Kreis Unna (yarn & staple)
Polyester Uentrop *Dacron* (staple, tow & fiberfill)

ENKA A.G.
Nylon 6/66 Kassel & Obernburg *Enka Nylon* (yarn)
Enka Perlon (yarn & staple)
Polyester Kassel, Oberbruch & Obernburg *Diolen* (yarn & staple)
Rayon Kelsterbach, Oberbruch & Obernburg (ind & reg yarn)

E. HAHL KG•
Nylon 6 Munderkingen (staple)

HOECHST A.G.
Acrylic Kelheim/Donau *Dolan* (staple)
Polyester Bad Hersfeld, Hessen & Bobingen/Augsburg land *Trevira* (yarn, staple & spunbonded), *Trevira Draht* (monofil)
Rayon Kelheim/Donau (staple)

ICI (EUROPA) FIBRES G.m.b.H.
Nylon 66 Östringen *Timbrelle* (yarn & staple)
Polyester Östringen *Terylene* (yarn)

LUTRAVIL SPINNVLIES•
Nylon 6 Kaiserslautern *Lutrabond* (spunbonded)
Polyester Kaiserslautern *Lutradur* (spunbonded)

MONSANTO (DEUTSCHLAND) G.m.b.H.
Acrylic Lingen *Acrilan* (staple)

NORDDEUTSCHE FASERWERKE G.m.b.H.
Nylon 6/66 Neumünster *Siks Perlon* (yarn & staple)
Polyester Neumünster *aritron* (yarn)

PHOENIX GUMMIWERK A.G.
Saran Hamburg-Harburg *Harlan* (monofil)

HEINRICH REINHOLD KG•
Nylon 6 Selbitz, Bayern (staple)

RHODIA A.G.
Acetate Freiburg/Br. (tow)
Nylon 66 Freiburg/Br. & Rottweil a. N/Württ.
Rhoa-fil Nylon, Rhoa-spun, Rhoa-tex Helanca, (yarn & staple)
Polyester Freiburg/Br. *Rhoa-fil Tergal, Rhoa-tex Tergal* (yarn)

SPINNSTOFFFABRIK ZEHLENDORF A.G.
Polyester Berlin-Zehlendorf *Trevira* (yarn & staple)

TEXTILWERKE DEGGENDORF
Nylon 66 Deggendorf (yarn)
Polyester Deggendorf (yarn)

WACKER-CHEMIE G.m.b.H.
Vinal München-Burghausen *Wacker MP Faser* (staple)

OLEFIN FIBER

J. F. ADOLFF A.G. Backnang (P film & staple)

AMOCO FABRICS CO., DIVISION OF AMOCO (DEUTSCHLAND) G.m.b.H.
Gronau (P film & staple)

J. H. BENECKE G.m.b.H. Peine *Corovin* (P spunbonded & staple)

R. B. J. RUDOLF BILLERMANN KG Emsdetten (P yarn & staple)

CHEMISCHE WERKE HÜLS A.G. Marl, Kreis Recklinghausen, Westphalia
Vestolan (E & P monofil)

GERMANY, FEDERAL REPUBLIC OF *(Continued)*

DYNAMIT NOBEL A.G. Troisdorf, Bez. Köln *Trofil* (E & P monofil & tow)

FASERWERKE BOTTROP G.m.b.H. Bottrop (P staple)

FÜSSENER TEXTIL A.G. Füssen (P film & staple)

GEO. GLEISTEIN & SOHN Bremen-Vegesack (P film & monofil)

E. HAHL KG Munderkingen (P monofil & staple)

RUDOLF HILLER KG (P monofil)

LUTRAVIL SPINNVLIES Kaiserslautern *Lutrasil* (P spunbonded)

PIELMANN (P staple)

HEINRICH REINHOLD KG Selbitz Bayern (P staple)

SCHAEFLER

STEEN Hamburg (P staple)

WESTFALIA SPINNEREI U. KUNSTOFFWERK SCHEM KG Minden (P monofil & film)

The following companies produce olefin film fiber: BAUMHÜTER G.m.b.H., Wiedenbrück; BREMER WOLL-KÄMMEREI, Bremen Blumenthal; ERNST JAEGER, Düsseldorf Reisholz; HEINZ G. JUNEMANN (NORDHESSISCHE HAARWARENFABRIK), Felsberg; KUSGA KUNSTOFFGARNE G.m.b.H., Mainz; POLYDRESS PLASTIC G.m.b.H., Michelstadt; POLYUNION KUNSTOFFWERK, Mesum; J. SCHILGEN, Emsdetten; SPOHN G.m.b.H., Freiburg; B.T.F. TECKLENBORG & CO., Bremen Grohn; and DR. KARL WETEKAM & CO., Melsungen.

TEXTILE GLASS FIBER

GEVETEX-TEXTILGLAS G.m.b.H.
Aachen & Dortmund Mengede *Gevetex*

SCHULLER GLASWERKE
Westheim

GREECE

ETMA S.A.
Nylon 6/66 Athens (yarn)
Rayon Athens (reg yarn)

POLYETMA LTD.
Polyester Athens (yarn)

VOMVICRYL S.A. (affiliate of "Vomvix" S.A.)
Acrylic Stylis, near Lamia (staple, tow & tops)

"VOMVIX" S.A.
Nylon 6/66 Athens (yarn)
Polyester Athens (yarn)

OLEFIN FIBER

VIOFARM Argos (P staple)

The following companies produce olefin film fiber: ARIPLAST S.A., Athens; BIOSISAL, Athens; DESSILA, Piraeus; ELVISAK, Athens; MARINE ROPE, Athens; OLYMPIC ROPES, Piraeus; SISAL ROPERY, Salonika; C. VELLIS HEIRS S.A., Piraeus; and VESY S.A. SYNTHETIC MATERIALS INDUSTRY, Piraeus.

GUATEMALA

HILOS SINTÉTICOS CENTROAMERICANOS, S.A.
Nylon 6 San José Pinula, Guatemala (yarn) (idle)

OLEFIN FIBER

CORDELERIA LA RAPIDA Guatemala, Guatemala (P monofil)

HONDURAS

OLEFIN FIBER

POLYMER, (subsidiary of United Brands) San Pedro Sula (P film)

HUNGARY

MAGYAR VISCOSAGYÁR (Hungarian Viscose Factory)•
Acrylic Nyergesújfalu *Crumeron* (staple)
Nylon 6 Nyergesújfalu *Danamid* (yarn & staple)
Rayon Nyergesújfalu (staple)

OLEFIN FIBER

KENDER JUTA TEXTILIPARI V. Budapest (P film)

KENDERFONÓ ÉS SZŐVŐIPARI V. SZEGED Szeged (P film)

MAGYAR VISCOSAGYÁR Nyergesújfalu *Popril* (P staple)

SOPRONI SZŐNYEGGYÁR Sopron *Sopilen* (P yarn)

TISZA CHEMICAL COMBINE Lenin Varas (P staple)

INDIA

THE AHMEDABAD MFG. & CALICO PRINTING CO. LTD., CALICO POLYESTER FIBRE DIV.
Polyester Baroda, Gujarat *Ilacron* (staple)

ANDHRA PRADESH RAYONS LTD.
Rayon Kamalapuram, Warangal District, Andhra Pradesh• (staple)

THE BARODA RAYON CORPORATION LIMITED
Nylon 6 Udhna, Gujarat *Smilon* (yarn)
Polyester Udhna *Smiater* (yarn)
Rayon Udhna (reg yarn)

BONGAIGAON REFINERY AND PETROCHEMICALS LTD.
Polyester Goalpara, Assam• (staple)

CENTURY ENKA LIMITED
Nylon 6 Bhosari, Pune, Maharashtra *Enkalon* (yarn)
Polyester Bhosari (yarn)

CENTURY RAYON (Prop: The Century Spg. & Mfg. Co. Ltd.)
Rayon Kalyan, near Bombay, Maharashtra (ind & reg yarn)

CHEMICALS & FIBRES OF INDIA LIMITED
Polyester Thane, near Bombay, Maharashtra *Terene* (staple)

DOSHI SYNTHETICS
Polyester Kandla, Gujarat• (yarn)

GARWARE NYLONS LIMITED
Nylon 6 Pimpri, Pune, Maharashtra *Garware* (yarn & monofil)
Polyester Pimpri (yarn)

THE GWALIOR RAYON SILK MFG. (WVG.) CO. LIMITED
Rayon Birlagram, Nagda, Madhya Pradesh & Birlakootam, Mavoor, Kerala (staple)

INDIAN ORGANIC CHEMICALS LIMITED
Polyester Manali, Madras, Tamil Nadu *Futura* (staple)

INDIAN PETROCHEMICALS CORP. LTD.
Acrylic Vadodara, Gujarat *Cashmilon* (staple)

THE INDIAN RAYON CORPORATION LIMITED
Rayon Veraval, Gujarat (reg yarn)

INDUSTRIAL PROMOTION & INVESTMENT CORPORATION OF ORISSA LTD.
Polyester Orissa• (staple)

J. K. RAYON, J. K. PURI
Rayon Kanpur, Uttar Pradesh (reg yarn)

J. K. SYNTHETICS LIMITED
Acrylic Kota, Rajasthan *Jekrilon* (staple)
Nylon 6 Kota *Jayanka, Jaycord, Jaykalon* (yarn & monofil; staple idle)
Polyester Kota *Jaykaylene* (yarn & staple)

JAGITJIT COTTON TEXTILE MILLS LTD.
Nylon 6 Hoshiarpur, Punjab (yarn)

KARNATAKA STATE INDUSTRIAL INVESTMENT AND DEVELOPMENT CORP. LTD.
Polyester (staple•)

KESORAM RAYON (Prop: Kesoram Industries and Cotton Mills Ltd.)
Rayon Nayasarai, Hooghly, West Bengal (reg yarn)

M.P. INDUSTRIAL CORP. LTD.
Polyester Madhya Pradesh• (staple)

MADURA COATS LTD.
Nylon 6 Medak, Andhra Pradesh• (yarn)

MODIPON LIMITED
Nylon 6 Modinagar, Uttar Pradesh *Modipon* (yarn)
Polyester Modinagar (yarn)

THE NATIONAL RAYON CORPORATION LIMITED
Nylon 6 Mohone-Kalyan, near Bombay, Maharashtra *N.R.C.* (yarn)
Rayon Mohone-Kalyan (ind & reg yarn)

NIRLON SYNTHETIC FIBRES & CHEMICALS LIMITED
Nylon 6 Bombay, Maharashtra *Nircord, Nirlon* (yarn & monofil)
Polyester Bombay *Nirester* (yarn)

ORKAY SILK MILLS PVT. LTD.
Polyester Patalganga, Maharashtra (yarn)

INDIA *(Continued)*

P.O. PETROCHEMICALS
Acrylic Vadodara, Gujarat* (staple)
Polyester Baroda, Gujarat* (staple)

PETROFILS COOPERATIVE LIMITED
Polyester Jawaharnagar, Baroda, Gujarat (yarn)

PRADESHIYA INDUSTRIAL & INVESTMENT CORP. OF UTTAR PRADESH
Polyester Uttar Pradesh* (staple)

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION
Polyester Punjab* (staple)

RELIANCE TEXTILE INDUSTRIES
Polyester Patalganga, Maharashtra (yarn)

SHREE SYNTHETICS LIMITED
Nylon 6 Naulakhi, Ujjain, Madhya Pradesh *Shreelon* (yarn)
Polyester Naulakhi *Shreester* (yarn)

SHREERAM FIBRES
Nylon 6 Manali, Madras, Tamil Nadu (yarn)

SHRIRAM FIBRES LIMITED
Nylon 6 Manali, Madras, Tamil Nadu *Tufcord* (yarn)

SHRIRAM RAYONS
Rayon Kota, Rajasthan (ind yarn)

THE SIRSILK LIMITED
Acetate Sirpur Kaghaznagar, Andhra Pradesh (yarn & staple)

SOUTH INDIA VISCOSE LIMITED
Rayon Sirumughai, near Mettupalayam, Tamil Nadu (reg yarn & staple)

STRETCH FIBRES (INDIA) LIMITED
Nylon 6 Nagpur, Maharashtra *SF* (yarn)

SWADESHI POLYTEX LIMITED
Polyester Gaziabad, Uttar Pradesh *Jailene* (staple)

TAMIL NADU INDUSTRIAL DEVELOPMENT CORP.
Polyester Madras, Tamil Nadu* (staple)
Rayon Madras* (staple)

THE TRAVANCORE RAYONS LIMITED
Rayon Rayonpuram, Kerala (reg yarn)

TUNGABADRA RAYON LIMITED
Rayon Tungabadra, Andhra Pradesh (staple)

OLEFIN FIBER

ACME INVESTMENTS LTD. Panki Industrial Area, Kanpur* (P yarn)

ANIL KUMAR JAIN Ankleshwar, Gujarat* (P yarn)

GUPTA NEEDLE INDUSTRIES PVT. LTD. Dharuhera, Haryana* (P yarn)

INDO SYNTHETICS CORP. (P yarn*)

J.K. BHAGAT Bhiwand, Alwar, Rajasthan* (P yarn)

KALYANI ASBESTOS CEMENT PVT. LTD. Kalol, Gujarat* (P yarn)

NEOMER LIMITED Baroda, Panchmahal, Gujarat *Proplon* (P staple)

POLYPROP INDUSTRIES Dharuhera, Haryana* (P yarn)

RAJENDRA V. PATEL Cambay, Gujarat* (P yarn)

SANJEEV SHRIYA Uttar Pradesh* (P yarn)

TEXTILE GLASS FIBER

FIBREGLASS PILKINGTON LIMITED
Thane, near Bombay, Maharashtra

U. P. TWIGA FIBREGLASS
Sikandarabad, Uttar Pradesh

INDONESIA

INDO-BHARAT RAYON
Rayon Desa Cilangkap, Purwakarta (staple)

INDONESIA PENELITIAN SELULOSA (Cellulose Research Institute)
Rayon Bandung (pilot plant) (ind & reg yarn & staple)

KUMA FIBER (P.T. Kuraray Manunggal Fibre Industries)
Polyester Cikokol, Tangerang, West Java (staple)

P. T. INDONESIA ASAHI CHEMICAL
Nylon 6 Jatiluhur, Purwakarta, West Java (yarn)

P. T. INDONESIA TORAY SYNTHETICS
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang (staple)

P. T. SHINTA INDAH DJAYA
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang *Shinta* (yarn)

P. T. SOUTH PACIFIC VISCOSE
Rayon Purwakarta, West Java (staple)

P. T. SUSILIA INDAH SYNTHETIC FIBRES INDUSTRIES
Polyester Tangerang, West Java (yarn)

P. T. TAMAN
Polyester Kaliwungu Kendal (yarn)

P. T. TIFICO (P. T. Teijin Indonesia Fiber Corp.)
Polyester Tangerang, West Java (yarn & staple)

P. T. TRI REMPOA SOLO SYNTHETIC
Polyester Rempoa, Tangerang, West Java (staple)

P. T. YASINTA
Polyester Tangerang, West Java (yarn)

IRAN

PARSYLON CORPORATION
Nylon 6 Khoram-Abad* (yarn)

POLYACRYL IRAN CORPORATION
Acrylic Isfahan (staple)
Polyester Isfahan (yarn & staple)

SHERKAT SAHAMI ALIAF
Nylon 6 Tehran *Aliaf* (yarn)

OLEFIN FIBER

JAHANCITT SPINNING & WEAVING CO. Tehran (P film)

IRAQ

HINDIYA RAYON FACTORY
Rayon Hindiya (reg yarn & staple)

IRELAND, REPUBLIC OF (EIRE)

ASAHI SYNTHETIC FIBRES (IRELAND) LTD.
Acrylic Ballina, Mayo *Cashmilon* (staple)

LIRELLE (IRELAND) LTD.
Polyester Letterkenny, Donegal *Lirelle* (yarn)

SNIA IRELAND LIMITED
Nylon 6 Hazelwood, Sligo *Lilion* (yarn)

WELLMAN INTERNATIONAL LTD.
Nylon 6 & 66 Mullagh, Kells, Meath *Wellon* (staple)
Polyester Mullagh *Filwell, Wellene* (staple)

OLEFIN FIBER

F. DRAKE (IRELAND) LTD. Moate, Westmeath (P staple)

J. & L. F. GOODBODY (SYNTHETICS) LTD. Clara, Offaly (P yarn & film)

The following companies produce olefin film fiber: IRISH POLYSACKS LTD., Blarney, Cork; IRISH ROPES LTD., Newbridge, Kildare; and POLYTEX LTD.

ISRAEL

ISRAEL CHEMICAL FIBRES LIMITED
Acrylic Ashdod *Acrilan* (staple & tow)

NILIT
Nylon 66 Migdal Ha-Emek (yarn)
Polyester Migdal Ha-Emek (yarn)

ITALY

ANICFIBRE S.p.A.
Acrylic Ottana & Porto Torres, Sardegna & Pisticci, Lucania *Euroacril* (staple & tow)
Nylon 6 Pisticci *Nivion* (yarn & staple)
Polyester Ottana & Pisticci *Fidion* (yarn, staple & tow)
Polyesteramide Pisticci (pilot plant) (yarn & staple)

AQUAFIL S.p.A.
Nylon 6 Arco di Trento, Trentino *Aqualon* (yarn)
Polyester Arco di Trento (yarn)

ITALY *(Continued)*

BEMBERG S.p.A.

Nylon 6	Gozzano, Piemonte *Ortalion* (yarn)
Rayon	Gozzano (cupra yarn)

CALZIFICIO MALERBA

Nylon 66	Varese, Lombardia (yarn)

CARPEFIN S.p.A. (affiliate of Anicfibre)

Nylon 6	Forli, Emilia Romagna (yarn)

FIBRA DEL SUD S.p.A. See Montefibre

FILATURA DI VAL LESINA S.p.A.

Polyester	Andalo Valtellino, Lombardia *Valena* (yarn)

FORTEX SIDAC S.p.A.

Nylon 6	Forli, Emilia Romagna *Forlion* (yarn)

FRATELLI FRANCHI S.p.A.

Nylon 6	Canapale, Toscana *Frankilon* (yarn)
Polyester	Canapale *Frankilene* (yarn)

MANIFATTURA TESSILE MIROGLIO

Polyester	Alba, Piemonte (yarn)

MEMOFIL

Nylon 6	Potenza, Basilicata (yarn)

MONTEFIBRE S.p.A.• (See Merak) (includes former Fibra Del Sud facility)

Acetate	Châtillon, Valle d'Aosta & Vercelli, Piemonte (yarn)
Acrylic	Porto Marghera, Veneto *Leacril* (staple & tow)
Nylon 6	Ivrea, Piemonte *Helion* (yarn)
Nylon 66	Pallanza, Piemonte *Nailon* (yarn)
Polyester	Acerra, Campania *Terital* (yarn, staple & tow)
Rayon	Châtillon (reg yarn)

NOVACETA S.p.A.

Acetate	Magenta, Lombardia (yarn)

RADICI FIL S.p.A.•

Nylon 6	Casnigo, Lombardia *Radital* (yarn & staple)

SETTE STELLE

Nylon 6	Castelgoffredo, Lombardia (yarn)

SNIA FIBRE S.p.A.

Acrylic	Cesano Maderno, Lombardia & Villacidro, Sardegna *Velicren* (staple & tow)
Nylon 6	Castellaccio, Lazio; Cesano Maderno, Varedo, Lombardia; & Villacidro *Lilion* (yarn, staple & tow), Padova, Veneto *Lilionette, Liliontec* (spunbonded)
Polyester	Cesano Maderno; Napoli, Campania; & Varedo *Wistel* (yarn, staple & tow)
Rayon	Rieti, Lazio (reg yarn), Varedo (staple)

SOCIETA INDUSTRIALE CREMONESE S.p.A

Rayon	Pizzighettone, Lombardia (ind yarn)

TORCITURA DI BORGOMANERO S.p.A.

Nylon 6	Milano, Lombardia *Borgolon* (yarn)

OLEFIN FIBER

EUROFIL Gandino, Lombardia (P staple)

FILATURA I DELEBIO S.p.A. Delebio, Lombardia *Delebion* (P yarn)

FILLI FRANA Casnigo, Lombardia (P staple & film)

I.T.S. Legnano, Lombardia (P yarn)

MERAK S.p.A. (part of Montefibre group) Terni, Umbria *Meraklon* (P staple)

NEOFIL S.p.A. Milano (P yarn)

NUOVO SAR Caronno Pertusellà, Lombardia (P yarn & staple)

POLYMACON Zibido S. Giacomo, Lombardia (P staple & film)

RADICI FIL S.p.A. Casnigo, Lombardia (P staple & film)

SERGEL Casnigo, Lombardia (P staple & film)

SINTOFIL Como, Lombardia (P monofil)

The following companies produce olefin film fiber: CARPET BACKING S.p.A., Ceniga; I.T.P.; LICANA NORD S.p.A., Cassano d'Adda (Milano); DE MAGISTRIS EMILIO, Bagnolo Cremasco; MILANPLAST s.r.l., Milano; MOPLEFAN S.p.A., Milano; NEOFIBRE s.r.l., Lendinara; SACHIM (MUMMOLO), Bari; S.E.A.L. S.p.A., Milano; S.I.S.A.L. S.p.A., Piacenza; STIROSIR S.p.A., Milano; and TESSITURA LOMBARDA DI CONSONNI ELIA ALBIATE.

TEXTILE GLASS FIBER

MONTEDISON
Vado Ligure, Liguria

VETROTEX ITALIA (formerly Vetreria Italiana Balzaretti & Modigliani S.p.A.)
Besana Brianza, Lombardia (yarn)

JAPAN

ASAHI CHEMICAL INDUSTRY CO., LTD.

Acrylic	Fuji *Cashmilon, Pewlon* (yarn & staple)
Nylon 6/66	Moriyama & Nobeoka *Asahi Kasei Nylon, Leona* (yarn, monofil & spunbonded)
Polyester	Nobeoka *Asahi Kasei Ester* (yarn)
Rayon	Nobeoka (reg & cupra yarn, cupra staple & cupra spunbonded)
Spandex	Moriyama *Roica*

DAIWA SPINNING CO., LTD.•

Polyester	Harima *Daiwabo Polyester* (staple)
Rayon	Masuda (staple)

FUJI SPINNING CO., LTD.

Rayon	Toyo (staple)
Spandex	Kozakai *Fujibo Spandex*

JAPAN EXLAN CO., LTD.

Acrylic	Saidaiji *Exlan* (staple)

KANEBO, LTD.

Rayon	Hofu (staple)

KANEBO SYNTHETIC FIBERS, LTD.

Acrylic	Hofu *Kanebo Acryl* (staple)
Nylon 6	Hofu *Kanebo Nylon* (yarn)
Polyester	Hofu & Sabae *Kanebo Polyester* (yarn)
Spandex	Hofu *Kanebo Spandex*

KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.

Modacrylic	Takasago *Kanecaron, Kanekalon* (staple & tow)

KOHJIN CO., LTD.

Rayon	Yatsushiro (staple)
Polychlal	Yatsushiro *Cordelan* (staple)

KURARAY CO., LTD.

Polyester	Saijo & Tamashima *Kuraray Ester* (yarn & staple)
Rayon	Kurashiki, Saijo & Tamashima (reg yarn)
Vinal	Okayama *Cremona, Kuralon* (yarn, monofil & staple)

KUREHA CHEMICAL INDUSTRY CO., LTD.

Saran	Kaibara & Mibu *Krehalon* (yarn & monofil)
Vinyon	Kaibara & Mibu *Viclon* (monofil)

MITSUBISHI ACETATE CO., LTD.

Acetate	Toyama (yarn & tow)
Triacetate	Toyama (yarn)

MITSUBISHI RAYON CO., LTD.•

Acrylic	Otake *Finel, Silpalon, Vonnel* (yarn & staple)
Polyester	Toyohashi *Soluna* (yarn & staple)

NIPPON ESTER CO., LTD.
(subsidiary of Unitika, Kanebo and Mitsubishi Chemical Industry)

Polyester	Okazaki & Sabae *Kanebo Ester, Unitika Ester* (yarn & staple)

NISSHIN SPINNING CO., LTD.

Rayon	Tokushima (staple)
Spandex	Tokushima *Mobilon* (fused multifil)

NITIVY CO., LTD.

Vinal	Fujieda *Niti Vilon, Solvron, Vilon* (yarn)

NITTO BOSEKI CO., LTD.• (See Ube Nitto Kasei)

Rayon	Fukuyama (staple)

OMIKENSHI CO., LTD.

Rayon	Kakogawa (staple)

TEIJIN LTD.

Aramid	Iwakuni *Teijinconex* (staple)
Nylon 6	Mihara *Teijin Nylon* (yarn)
Polyester	Ehime, Iwakuni, Matsuyama & Tokuyama *Teijin Tetoron* (yarn & staple)
Vinyon	Iwakuni *Teviron* (yarn)

TEIJIN ACETATE LTD. (subsidiary of Teijin Ltd.)

Acetate	Matsuyama (yarn)

JAPAN *(Continued)*

TOHO BESLON CO., LTD.
Acrylic   Mishima   *Beslon* (staple & tow)

TOHO RAYON CO., LTD.
Rayon   Tokushima   *Toris* (staple)

TORAY INDUSTRIES, INC.•
Acrylic   Ehime   *Toraylon* (staple)
Fluoro   Ehime (pilot plant)   *Toyoflon* (yarn)
Nylon 6   Aichi, Nagoya, Okazaki & Shiga   *Amilan, Toray Nylon* (yarn & staple)
Nylon 6/66 copolymer   Aichi   *Tapilon* (yarn)
Nylon 66   Aichi   *Promilan* (yarn)
Polyester   Ehime, Ishikawa, Mishima & Okazaki   *Toray Tetoron* (yarn & staple)

TORAY MONOFILAMENT CO., LTD.
Nylon 6   Okazaki   *Toray Nylon* (monofil)

TOYO CHEMICAL CO., LTD.
Vinyon   Ofuna   *Envilon* (monofil)

TOYO PRODUCTS CO., LTD.
Spandex   Shiga   *Opelon* (fused multifil)

TOYOBO CO., LTD.
Nylon 6   Tsuruga   *Toyobo Nylon* (yarn)
Polyester   Iwakuni & Tsuruga   *Toyobo Ester* (yarn & staple)
Promix   Tsuruga   *Chinon* (yarn)
Rayon   Iwakuni   *Tufcel* (staple)
Spandex   Tsuruga   *Espa*

TOYOBO PETCORD CO., LTD.
Polyester   Tsuruga   *Toyobo Petcord* (yarn)

UNITIKA LTD.
Nylon 6   Uji   *Unitika* (yarn, monofil & staple)
Polyester   Okazaki   *Marix* (ind yarn & spunbonded)

UNITIKA KASEI CO., LTD.
Vinal   Sakoshi (Akoh City)   *Mewlon* (yarn, monofil & staple)

UNITIKA RAYON CO., LTD.
Rayon   Okazaki & Uji   (ind & reg yarn)

YOSHIDA KOGYO K.K.
Polyester   Kurobe   (yarn)

OLEFIN FIBER

ASAHI-DOW LTD.   Suzuka   *Bellex* (E & P monofil)

CHISSO POLYPRO FIBER CO., LTD.   Moriyama   *Chisso Polypro, ES Fiber* (P staple & film)

DAIWA SPINNING CO., LTD.   Harima   *Daiwabo Polypro* (P staple)

HAGIHARA INDUSTRY CO., LTD.   Kurashiki   (E monofil & film)

HIRATA SPINNING CO., LTD.   Yokkaichi   *Hiralon* (E & P yarn & monofil)

INABA SEIKO, LTD.   Gamagori   (E monofil)

KANEYA SEIKO, LTD.   Hokkaido & Kushiro   (P monofil)

MARUAI CO., LTD.   Toyohashi   (E monofil)

MITSUBISHI RAYON CO., LTD.   Toyohashi   *Mitsubishi Pylen* (P yarn & monofil)

MITSUI TOATSU CHEMICALS, INC.   Nagoya   *Hi-Zex* (E monofil)

NAGANO KAKO CO., LTD.   Nagano   (E monofil)

SHOWA POLYMER CO., LTD.   Ibaraki   (E monofil & film)

TAISEI RAYON CO., LTD.   Mito   (E & P monofil)

TANIYAMA CHEMICAL INDUSTRY CO., LTD.   Okayama   *Tanikalon* (E monofil)

TOA WOOL SPINNING & WEAVING CO., LTD.   Tomari   *Toabo Polypro* (P staple)

TONEN SEKIYUKAGAKU K.K. (TONEN PETROCHEMICAL CO., LTD.)   Kawasaki   *Tapyrus* (P spunbonded)

TORAY INDUSTRIES, INC.   Shiga   *Toray Pylen* (P yarn & staple)

UBE-NITTO KASEI CO., LTD.   Fukuyama & Gifu   *Sun Line, Ube-Nitto, Polypro* (E monofil & P yarn, monofil & staple)

The following companies produce olefin film fiber: DAIDO KASEI, Osaka; FUJIMOTO SANGYO, Osaka; OKAMOTO CHEMICAL, Ehime; SAKAI Osaka; SANSO JUSHI, Yokkaichi; SANTO CHEMICAL, Aichi; SI CHEMICAL, Amagasaki & Nara; TOYAMA, Chiba; WAKO SPINNING CO and YAMAJIN TEXTILE, Fukui.

TEXTILE GLASS FIBER

ASAHI FIBER GLASS CO., LTD.
Ibaraki & Shonan   *Glasslon*

ASAHI PPG LTD.
Plant site undetermined*

ASAHI-SCHWEBEL CO., LTD.
Moriyama

CENTRAL GLASSFIBER CO., LTD.
Matsusaka

FUJI FIBER GLASS CO.
Moka

KANEBO GLASS FIBER CO., LTD.
Gunma   *Textoglass*

NIPPON GLASS FIBER CO., LTD.
Ibaraki & Tsu   *Micro Glass*

THE NIPPON MINERAL FIBER MFG. CO.
Tarui & Yuki   *Superfine*

NITTO BOSEKI CO., LTD.
Fukushima   *Iceberg*

PARAMOUNT GLASS MFG. CO., LTD.
Koriyama & Suzuka   *Fether Glass*

SANRIKU FIBERGLASS INDUSTRY CO., LTD.
Fujisawa   *Sanrifine*

UNITIKA U.M. GLASS CO., LTD.
Kyoto   *Unitika U.M.*

KENYA

AFRICA SYNTHETIC FIBER LTD.
Nylon 6   Thika   (yarn)
Polyester   Thika   (staple)

KENYA FIBRE CORPORATION LTD.
Polyester   Nanyuki   (yarn)

OLEFIN FIBER

UNISACK LTD.   Thika   (P film)

KOREA, PEOPLE'S DEMOCRATIC REPUBLIC OF (NORT

A number of man-made fiber plants are said to be operating in North Kor June 1970 ***Organon*** issue, page 113); however, no data for this coun recorded in any table of this issue due to lack of reliable information.

KOREA, REPUBLIC OF (SOUTH)

CHEIL SYNTHETIC TEXTILES COMPANY
Polyester   Kumi   *Eslon* (yarn & staple)

DAE HAN SYNTHETIC FIBER COMPANY
Polyester   Pusan & Ulsan   *Acelan* (yarn & staple)

DAE SUNG WOOL INDUSTRIAL COMPANY
Polyester   Seoul   (yarn)

HANIL SYNTHETIC FIBER INDUSTRIAL COMPANY
Acrylic   Masan   *Cashmilon* (staple)

JEIL SYNTHETIC FIBERS COMPANY•
Polyester   Seoul   *Oplen* (yarn)

KOHAP, LTD.•
Nylon 6   Shihung   *Palmylon* (yarn & staple)
Polyester   Shihung   (yarn & staple)

KOLON INDUSTRIES INC.
Nylon 6   Kumi & Taegu   *Kolon* (yarn)
Polyester   Kumi   *Kolon* (yarn)

KORYO NYLON COMPANY
Nylon 6   Sungsumuyn   (yarn)

SAM KWANG/MOOLSAN COMPANY, LTD.
Polyester   Ki Jang   (yarn)

SAM YANG COMPANY, LTD.
Polyester   Chunju   *Triron* (yarn & staple)

KOREA, REPUBLIC OF (SOUTH) *(Continued)*

SUNKYUNG FIBRES LTD.
Acetate Suwon (yarn & tow)
Polyester Suwon & Ulsan *Sunkyung* (yarn & staple)

TAE KWANG INDUSTRIAL COMPANY
Acrylic Ulsan *Acelan* (staple)
Spandex Ulsan

TONG YANG NYLON COMPANY
Nylon 6 Anyang & Ulsan *Toplon* (yarn)
Polyester Ulsan *Toplon* (yarn)

TONG YANG POLYESTER COMPANY
Polyester Ulsan *Toplon* (yarn)

WONJIN RAYON COMPANY, LTD.
Rayon Donong *Coray* (reg yarn & staple)

OLEFIN FIBER

JEIL SYNTHETIC FIBERS COMPANY Seoul *Oplene* (P yarn & staple)

KOHAP, LTD. Shihung *Pylon, Happylon* (P staple)

KUM SUNG SYNTHETIC FIBER CO., LTD. Seoul *Hopelon, Polon* (P staple)

LUXEMBOURG

TECHNOFIBRES
Polyester Mertert (yarn)

Production data are combined with Belgium and the Netherlands under "Benelux" on page 108.

OLEFIN FIBER

DU PONT FIBRES S.A. Contern Hesperange *Typar* (P spunbonded)

MALAYSIA

PENFIBRE SDN. BHD.
Polyester Penang (staple)

MALTA

MONTEFIBRE MALTA LTD.
Nylon 6 Qormi *Helion* (yarn)

Production data are combined with Italy.

MEXICO

CELANESE MEXICANA, S.A.
Acetate Ocotlán, Jalisco (yarn & staple)
Acrylic Zacapu, Michoacán (staple, tow & tops)
Nylon 6 Ocotlán & Toluca, México *Duracel, Nycel* (yarn & staple)
Polyester Ocotlán; Querétaro, Querétaro & Toluca *Crolan* (yarn & staple)
Rayon Zacapu (ind & reg yarn & staple)

CELULOSA Y DERIVADOS, S.A.
Acrylic Atequiza, Jalisco *Crysel* (staple, tow & tops)
Rayon Monterrey, Nuevo León (ind & reg yarn)

FIBRAS QUIMICAS, S.A.
Nylon 6 Monterrey, Nuevo León *Supernylon Cydsa* (yarn & monofil)
Polyester Monterrey *Terlenka* (yarn)

FIBRAS SINTETICAS, S.A.
Acrylic Cotaxtla, Veracruz *Fisisa* (staple, tow & tops)
Nylon 6 México, D.F. *Fisisa* (yarn & monofil)
Polyester Cotaxtla & México *Fisisa* (yarn & staple)

FIBRASOMNI, S.A.•
Nylon 6 Ixtapalapa, D.F. *Omni Nylon* (monofil)
Saran Ixtapalapa *Omni Saran* (monofil)

INDUSTRIAS PETROQUIMICAS MEXICANAS, S.A.
Polyester El Salto, Jalisco *Inpetmex* (yarn)

KIMEX S.A.
Nylon 6 Tlalnepantla, México *Aztecron* (yarn)
Polyester Tlalnepantla *Kintrel* (yarn)

NYLON DE MEXICO, S.A.
Nylon 6 La Leona, Nuevo León *Nylfil* (yarn & staple)
Polyester La Leona *Delcron* (yarn, staple, tow & fiberfill)
Spandex La Leona *Likra* (fused multifil)

PLASTICA MODERNA, S.A. de C.V.
Nylon 6 Tlalpan, D.F. *Perlux* (monofil)

PRODUCTOS PLASTICOS DE PUEBLA, S.A.
Nylon 6 Puebla, Puebla *Prolon* (monofil)

OLEFIN FIBER

FIBRASOMNI, S.A. Ixtapalapa, D.F. *Politen Omni* (E monofil), *Polyprop Omni* (P yarn & monofil)

INDUSTRIAS POLIFIL, S.A. Ixtacuixtla, Tlaxcala *Pliana* (P yarn & staple)

PLASTICOS INDUSTRIALIZADOS, S.A. Monterrey, Nuevo León (P staple)

The following companies produce olefin film fiber: HILOS Y CORDELES, S.A., Tlalnepantla, México; PLASTICEL, S.A., Monterrey, Nuevo León (*Plasticel*), and POLISAC, S.A. (affiliate of Nylon de México, S.A.), Guadalajara, Jalisco (*Polisac*).

TEXTILE GLASS FIBER

VITRO-FIBRAS, S.A.
Zacatenco, D.F. *Vitro-Fibras*

NETHERLANDS

DU PONT DE NEMOURS (NEDERLAND) N.V.
Spandex Dordrecht *Lycra* (fused multifil)

ENKA B.V.
Nylon 6 Emmen *Enka Perlon, Enkalon* (yarn)
Aramid Arnhem *Arenka* (yarn)
Polyester Breda & Emmen *Diolen, Terlenka* (yarn & staple)
Rayon Arnhem (ind yarn) & Ede (reg yarn)

OLEFIN FIBER

LANKHORST TOUWFABRIEKEN B.V. Sneek *Tiptolene* (E monofil & P film)

T.T.C. POLYOLEFINS B.V. Nijverdal (P monofil, film & staple)

N.V. VERTO Rotterdam (P film)

TEXTILE GLASS FIBER

SILENKA B.V.
Hoogezand (Groningen) *Enkafort, Silenka*

Rayon+acetate production data are combined with Belgium on page 110. Noncellulosic production data are combined with Belgium and Luxembourg under "Benelux" on page 108.

NICARAGUA

OLEFIN FIBER

MANUFACTURERA CENTRO AMERICANA S.A. (MACEN) Managua (P film)

NIGERIA

NICHEMTEX INDUSTRIES LTD
Polyester Ikorobu, Lagos *Nigerlene* (yarn & staple)

NORWAY

BORREGAARD A.S., FIBRE SECTION
Rayon Sarpsborg (staple)

OLEFIN FIBER

A/S PLATON, AVD. TEKSTIL Notodden *Filmtex* (E & P film)

NORFIL/NORPACK A/S Stavern, near Larvik *Akraflex* (P yarn, E & P monofil & film)

STÅL OG TAU Tonsberg *Norseflex* (P film)

TEXTILE GLASS FIBER

NORSK GLASSFIBER A/S
Birkeland

PAKISTAN

BENGAL FIBER INDUSTRIES, c/o BENGAL OIL MILLS LIMITED
Nylon 6 Karachi *Nylpak* (yarn)

DILON LIMITED
Nylon 6 Landhi *Dilon* (yarn)
Polyester (yarn•)

ICI PAKISTAN MANUFACTURERS LTD.
Polyester Lahore *Tere Pak* (yarn & staple)

NATIONAL FIBERS LIMITED
Polyester Korangi, Karachi *Polylene* (yarn & staple)

NILOM NYLON MILLS LIMITED
Nylon 6 Lyallpur *Nilom* (yarn & monofil)

PAKISTAN *(Continued)*

RAVI RAYON LIMITED
Acetate Kala Shah Kaku, Sheikhupura District (yarn)

RUPALI POLYESTER LIMITED
Polyester Karachi* (yarn)

PERU

BAYER INDUSTRIAL S.A.
Acrylic Lima *Dralon* (staple)

FILAMENTOS INDUSTRIALES, S.A.
Polyester Lima (yarn)

MANUFACTURA NYLON S.A.
Nylon 6 Vitarte, near Lima (yarn)
Polyester Vitarte *Diolen* (staple)

MANUFACTURAS DEL SUR S.A.
Nylon 6 Arequipa *Long Life, Mistilon* (yarn)
Polyester Arequipa (yarn & staple)

RAYON Y CELANESE PERUANA S.A.
Acetate Lima (yarn)
Polyester Lima *Forcel* (yarn, staple, tow & tops)

RETEX PERUANA, S.A.
Nylon 6 Ventanilla, Callao (yarn)

The following companies produce olefin film fiber: NORSAC S.A., Trujillo; POLICEL DEL PERU S.A., Lima; SACOS DEL SUR S.A., Arequipa; and SACOS PISCO S.A., Pisco.

PHILIPPINES, REPUBLIC OF THE

AMERICAN PHILIPPINE FIBER
Nylon 6 San Pedro, Laguna* *APFI* (yarn)

FILIPINAS SYNTHETIC FIBER CORPORATION
Polyester Sta. Rosa, Laguna *Filsyn* (yarn & staple)

LAKEVIEW INDUSTRIAL CORPORATION
Polyester Carmona, Rizal *Licron* (yarn & staple)

PHILIPPINE POLYAMIDE INDUSTRIAL CORPORATION (PPIC)
Nylon 6 Calamba, Laguna *Philippine Polyamide* (yarn)

TEXFIBER CORPORATION
Nylon 6 Taytay, Rizal *Texfiber* (yarn)

UNIRAYON FIBER CORPORATION
Rayon Luzon* (staple)

OLEFIN FIBER

INDUSTRIAL TEXTILE MANUFACTURING CO. (ITEMCOP)
Mandaluyong, Rizal (P film)

MANILA CORDAGE COMPANY Manila (P film)

POLAND

CHODAKOWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Sochaczew (reg yarn)

WROCŁAWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Wrocław (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX ANILANA"
Acrylic Łódź *Anilana* (staple)
Azlon Łódź *Wipolan* (staple, casein base)
Rayon Łódź (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX CELWISKOZA"
Polyester Jelenia Góra *Elana* (staple)
Rayon Jelenia Góra (staple)
Spandex Jelenia Góra (pilot plant) *Elaston* (yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX ELANA"
Polyester Toruń, Bydgoszcz *Torlen* (yarn), *Elana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX STILON"
Nylon 6 Gorzów Wielkopolski *Lanastil, Stilon* (yarn), *Polana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"•
Rayon Szczecin-Zydowce (ind & reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX WISTOM"
Rayon Tomaszów Mazowiecki, Łódź (ind & reg yarn & staple)

OLEFIN FIBER

ZAKŁADY PRZEMYSŁU LNIARSKIEGO LENKO Bielsko-Biała (P film)

ZAKŁADY PRZEMYSŁU LNIARSKIEGO SKARBKÓW Mirsk, Wrocław
(P staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"
Szczecin-Zydowce (P staple)

TEXTILE GLASS FIBER

KROSNIENSKIE HUTY SZKŁA
Krosno

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX ANILANA"
Łódź *Polsilon*

PORTUGAL

COMPANHIA INDUSTRIAL DE FIBRAS ARTIFICIAIS (CIFA), S.A.R.L
Nylon 6 Sobrado, Valongo *Cifalon* (yarn)
Rayon Sobrado (reg yarn & staple)

FIBRAS SINTÉTICAS DE PORTUGAL, S.A.R.L. (FISIPE)
Acrylic Lisbon *Vonnel* (staple, tow & tops)

FINICISA - FIBRAS SINTÉTICAS, S.A.R.L.
Polyester Portalegre, Alto Alentejo *Terylene* (staple)

TÊXTIL ARTIFICIAL DO PORTO, LDA.
Rayon Porto (reg yarn)

OLEFIN FIBER

ALICATIFAS DA LOUSA (P staple)

FERCOL (P staple)

LUSOTUFO (P staple)

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. Barreiro (P staple &

The following companies produce olefin film fiber: CERFIL, Mai
CORDEX - COMPANHIA INDUSTRIAL TÊXTIL, S.A.R.L., Esmoriz; C
COMPANHIA DE TEXTEIS SINTETICOS S.A.R.L., Carvalhos; EU
INDUSTRIAS DE PETROLEOS PLASTICOS E FILAMENTOS, S.A.R.L
FABRICA DE TAPETES VITORIA, Mira d'Aire; FERNANDES & COST
Seia; MANUEL RODRIGUES DE LIMA & FILHOS, Cortegaça; M
RODRIGUES D'OLIVEIRA, S.A. LDA., M. Maia; QUINTAS & QUINTA
de Varzim; and SICOR - SOCIEDADE INDUSTRIAL DE CORDOARIA
Cortegaça.

TEXTILE GLASS FIBER

QUIMIGAL - QUIMICA DE PORTUGAL, E.P.•
Barreiro

ROMANIA

COMBINATUL DE FIBRE ARTIFICIALE
Rayon Brăila, Dej* & Suceava* (ind yarn & staple)

FABRICA DE FIBRE ARTIFICIALE "VISCOFIL"
Rayon Popesti-Leordeni, near Bucureşti (reg yarn)

FABRICA DE FIBRE ARTIFICIALE "VÎSCOZA"
Rayon Lupeni (reg yarn)

ROMCHIN STATE ENTERPRISES
Polyester Vaslui (yarn)

UZINA DE FIBRE SINTETICE IAŞI
Polyester Iaşi *Teron* (yarn, staple, tow & tops)

UZINA DE FIBRE SINTETICE SĂVINEŞTI
Acrylic Săvineşti, near Piatra Neamt (Bacau Region) *Melana* (staple
Nylon 6 Săvineşti *Relon* (yarn & staple)

SOUTH AFRICA, REPUBLIC OF

CONSOLIDATED TEXTILE MILLS (part of Frame Group of Companies
Polyester Jacobs, Natal (yarn & staple - captive)

HOECHST SOUTH AFRICA (PTY.) LTD.
Polyester Milnerton, Cape Province *Trevira* (staple)

KAYMAE INDUSTRIES
Polyester *Bidim* (spunbonded)

SOUTH AFRICAN NYLON SPINNERS (PTY.) LIMITED
Nylon 66 Bellville, Cape Province *Bri-Nylon* (yarn)
Polyester Bellville & Hammarsdale, Natal *Terylene* (yarn)

OLEFIN FIBER

ROMATEX MILLS Jacobs, Natal (P film)

SOUTH AFRICA, REPUBLIC OF *(Continued)*

TEXTILE GLASS FIBER

FIBREGLASS SOUTH AFRICA (PTY.) LIMITED
New Era, Springs, Transvaal

SPAIN

BRILEN S.A.
Polyester Barbastro, Huesca & Igualada, Barcelona (yarn & staple)

CYANENKA S.A.
Acrylic Prat de Llobregat, Barcelona *Crilenka* (staple & tow)

EMPRESA NACIONAL DE CELULOSA, S.A.
Rayon Miranda de Ebro, Burgos (staple)

INDUSTRIAS DEL ACETATO DE CELULOSA, S.A. (INACSA)
Acetate La Batlloria, Barcelona (yarn)

INDUSTRIAS QUIMICAS TEXTILES S.A. (INQUITEX)
Nylon 6 Andoain, Guipuzcoa *Carbyl, Nylhair, Trinyl* (yarn & staple)

LA SEDA DE BARCELONA, S.A.
Nylon 6 Alcalá de Henares, Madrid *Dayan, Enkalon* (yarn & staple)
Polyester Prat de Llobregat, Barcelona *Terlenka* (yarn & staple)
Rayon Prat de Llobregat (ind & reg yarn)

MONTEFIBRE HISPANIA S.A.
Acrylic Miranda de Ebro, Burgos *Leacril* (staple)

NUREL S.A.
Nylon 6 Zaragoza, Zaragoza *Nurel* (yarn)
Polyester Zaragoza *Terylene* (yarn & staple)

SOCIEDAD ANONIMA DE FIBRAS ARTIFICIALES (SAFA)
Nylon 66 Blanes & San Julian de Ramis, Gerona *SAFA* (yarn & staple)
Polyester Blanes *Tergal, Teriber* (yarn & staple)
Rayon Blanes (staple)

SOCIEDAD NACIONAL DE INDUSTRIAS APLICACIONES CELULOSA ESPANOLA, S.A. (SNIACE)
Nylon 6 Torrelavega, Santander *Lilion* (yarn)
Rayon Torrelavega (reg yarn & staple)

OLEFIN FIBER

PAULAR, S.A. — EMPRESA PARA LA INDUSTRIA QUIMICA Puertollano, C.R. *Istrakin* (P monofil & film)

PROFILEX (P staple)

PROPILAN (P staple)

SERINA TEXTIL (P staple)

SOCIEDAD ANONIMA ITALO ESPANOLA (SAITES) Sabadell, Barcelona (P staple & film)

TEXTIL ARMENGOL Bruch, Barcelona (P staple & film)

The following companies produce olefin film fiber: CONDEROLS S.A., Granada; CORDELERIAS BARAS S.A., Gijon, Asturias; CORDELERIAS MAR S.A., Vigo, Pontevedra; HILATURAS Y CORDELERIA S.A. — "HILCOSA," Barcelona; HIRESA, Callosa de Segura, Alicante; and YUTE INDUSTRIAL S.A., Valencia.

TEXTILE GLASS FIBER

FIBRAS MINERALES, S.A.
Alcalá de Henares, Madrid *Vitrotex*

SRI LANKA

CEYLON PETROLEUM CORPORATION
Nylon 6 Sapugaskanda, near Colombo (yarn & monofil)

SWEDEN

SONESSON PLAST AB•
Nylon 6/66 Malmö (monofil)

SVENSKA RAYON AKTIEBOLAGET
Rayon Älvenäs, Vålberg (staple)

OLEFIN FIBER

SONESSON PLAST AB Malmö *Laveten* (E & P monofil)

TEXTILE GLASS FIBER

SCANDINAVIAN GLASFIBER AKTIEBOLAG
Falkenberg

SWITZERLAND

EMS INDUSTRIES, LTD.
Nylon 6 Ems, Graubünden *Grilon* (yarn & staple)
Polyester Domat/Ems *Grilene* (staple)

VISCOSUISSE AG
Nylon 6/66 Emmenbruecke, Luzern & Widnau, St. Gallen *Nylsuisse, Fluxor* (yarn)
Polyester Widnau *Tersuisse* (yarn)

The following companies produce olefin film fiber: AROVA SCHAFFHAUSEN A.G., Schaffhausen and VOGT & CO., Reinach.

TAIWAN

CENTURY CHEMICAL INDUSTRY CORPORATION
Polyester Tainan *Centuron* (yarn)

CHENTA CHEMICAL INDUSTRIAL CORPORATION
Nylon 6 Kaohsiung *Rabbit* (yarn)

CHINA MAN-MADE FIBER CORPORATION
Rayon Tou Fen (reg yarn & staple)

FORMOSA CHEMICALS & FIBER CORPORATION (part of Formosa Plastics Group)
Nylon 6 Chang Hwa *Sunylon* (yarn)
Rayon Chang Hwa (staple)

FORMOSA PLASTIC CORPORATION (part of Formosa Plastics Group)
Acrylic Kaohsiung & Lanchu *Tairylan* (staple, tow & tops)

HSIEH CHIN FISHING NET COMPANY, LTD.•
Nylon 6 Kaohsiung *Hsieh Chin* (monofil — captive)

HUALON TEIJIN CORPORATION
Nylon 6 Chungho, Tao Yuan & Tou Fen (yarn)
Polyester Chungho, Tou Fen & Yim Kao *Hualon* (yarn & staple)

HUNG CHOU CHEMICAL INDUSTRY COMPANY, LTD.
Polyester Kwei Shan *Hunvira* (yarn)

JANG DAH NYLON INDUSTRIAL COMPANY, LTD.
Nylon 6 Hsin Tien *Yuan Pao* (yarn)

LIEN YU INDUSTRIAL COMPANY, LTD.
Nylon 6 Lin Tu *Pagoda* (yarn)
Polyester Lin Tu *Pagoda* (yarn)

NAN YA PLASTIC CO., POLYESTER DIVISION (part of Formosa Plastics Group)
Polyester Tai Shan *Tairylin* (yarn & staple)

ORIENTAL CHEMICAL FIBER CORPORATION
Polyester Hsin Chu *Eastlene, Eastlon* (yarn & staple)

PACIFIC ENTERPRISES LTD.
Nylon 6 Tao Yuan *Pel* (yarn)
Polyester Tao Yuan (yarn)

SAN YUAN HSING ENTERPRISE COMPANY
Nylon 6 Kaosiung (monofil — captive)

SHINKONG SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *Shinlon* (yarn & staple)

SYNTHETIC FIBER MILLS CORPORATION
Nylon 6 Tao Yuan *Synlon* (yarn)

TA MING FIBERS INDUSTRIES CORPORATION
Nylon 6 Tao Yuan *Ta Ming Nylon* (yarn)
Polyester Toa Yuan *Poylon* (yarn)

TA SHING CHEMICAL FIBER CO., LTD.
Nylon 6 Tao Yuan *Tasinlon* (yarn)
Polyester Tao Yuan *Tasinlon* (yarn & staple)

TAINAN SPINNING CO., LTD.
Polyester Tainan *Nanlon* (yarn & staple)

TONG HWA SYNTHETIC FIBER CO., LTD.
Acrylic Chu Pei *Townflower* (staple & tow)

TUNG HO SPINNING WEAVING & DYEING CO., LTD.
Polyester Tainan *Pearlylene* (staple)

TUNTEX FIBER CO., LTD.
Polyester Hsin Su *Tuntex* (yarn)

UNITED SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *King Long* (staple)

VANLON FIBERS INDUSTRIAL CORPORATION
Nylon 6 Tao Yuan *Vanlon* (yarn)
Polyester Tao Yuan *Vanlon* (yarn)

TAIWAN *(Continued)*

YU HO FIBER INDUSTRIAL CORPORATION
Polyester Tao Yuan *Luxlen* (yarn)

YUNG CHIN FIBER CO., LTD.
Nylon 6 Kaohsiung *Hailon* (yarn)

OLEFIN FIBER

CHIA YANG INDUSTRIAL CO., LTD. Hsi Chih (P monofil)

CHIEN SUN PLASTIC INDUSTRIAL CO., LTD. Hsin-Chu (E & P film)

CHINA FOLEX CORPORATION Shih Lin (E & P monofil)

CHUNG KUANG PLASTIC CO., LTD. Chang-Hua (E & P film)

FULLMARK INDUSTRIAL CO., LTD. Hsin-Chu (E & P monofil)

FUU WON CHEMICAL INDUSTRIAL CO., LTD. Tu-Chen (P yarn)

HSIEH CHIN FISHING NET COMPANY, LTD. Kaohsiung *Hsieh Chin*
(E monofil - captive)

HUNG FENG ENTERPRISE CO., LTD. Yang-Mei (P monofil)

IEN YI FIBER INDUSTRIAL CO., LTD. Chi-Do Goble (E monofil)

JUI I CHEMICAL INDUSTRIAL CO., LTD. Tou-Yuan (E & P monofil)

KUO HSIANG ENTERPRISE CO., LTD. Yang Mei (E & P monofil)

LIEN FU CHEMICAL COMPANY LTD. Tou Fen (E & P monofil)

MEI LON FIBER CO., LTD. Chang-Hua (E monofil)

PAO TSUNG TAI INDUSTRIAL COMPANY LTD. Tainan (P film)

POLON FIBER INDUSTRIAL CO., LTD. Chung Li (P monofil)

SAN YANG INDUSTRIAL COMPANY LTD. Nei Hu Hsiang (P film)

TAI YEE CHEMICAL INDUSTRIAL CO., LTD. Chung Li (E & P monofil)

UNITED FIBER INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

YAO CHENG PLASTIC CO., LTD. Pan Chiao (P yarn)

THAILAND

ASIA FIBER CO. LTD.
Nylon 6 Samut Prakarn *A.F.C.* (yarn)

HANTEX CORPORATION LTD.
Nylon 6 Mahacha, Samut Sakorn (yarn)

ORIENTAL FIBRE
Polyester Samut Sakhorn (yarn)

TEIJIN POLYESTER (THAILAND) LIMITED
Polyester Rangsit, Bangkok *Teijin Tetoron* (yarn & staple)

THAI MELON POLYESTER CO. LIMITED
Polyester Pathumthani, near Bangkok (yarn & staple)

THAI RAYON CO. LTD.
Rayon Ang Thong (staple)

TORAY NYLON THAI COMPANY
Nylon 6 Bangkaen, Bangkok *TNT* (yarn & monofil)
Polyester Bangkaen *Toray Tetoron* (yarn)

TURKEY

AKRILIK KIMYA SANAYII A.S. (AKSA)
Acrylic Yalova *Aksa* (staple)

FILAMENT SENTETIK IPLIK VE ELYAF SANAYII A.S.
Polyester Bursa *Filament* (yarn & staple)

GEMLIK SUNI IPEK VE VISKOZ MAMULLERI SANAYII MÜESSESESI
(GEMLIK ARTIFICIAL SILK & VISCOSE PRODUCTS INDUSTRY)
(Operated by The Sumerbank)
Rayon Gemlik (reg yarn & staple)

INSA ISTANBUL NAYLON SANAYI A.S.
Nylon 6 Istanbul *Islon* (yarn)
Polyester Istanbul (yarn)

M.N. SABUNCU
Polyester Adana *MNS* (yarn)

POLYLEN SENTETIK IPLIK SANAYII A.S.
Polyester Bursa *Polylen* (yarn)

SANCAK TÜL SANAYII LTD., STI.
Polyester Istanbul *Lalelen* (yarn)

SASA SUNI VE SENTETIK ELYAF SANAYII A.S.
Polyester Adana *Perilon* (yarn & staple)

SENTETIK IPLIK FABRIKALARI, A.S. (SIFAS)
(SYNTHETIC YARN FACTORIES CORPORATION)
Nylon 6 Bursa *SIFAS* (yarn & staple)
Nylon 66 Bursa (yarn)
Polyester Bursa (yarn & staple)

TEKSTIPLIK SANAYII VE TICARET A.S.
Nylon 6 Edirne *Dimlon* (yarn)

YALOVA ELYAF VE IPLIK SANAYII VE TICARET A.S.
Acrylic Yalova *Yalova* (staple & tow)
Modacrylic Yalova *Yalova* (staple & tow)

OLEFIN FIBER

DEGIRMENCILIK A.S. Kayseri (P yarn)

ELSAN ELYAF SANAYI VE TICARET A.S. Istanbul (P staple)

SENIPEK TEKSTIL SANAYI VE TICARET A.S. Bursa (P yarn)

TEXTILE GLASS FIBER

CAM ELYAF SANAYII A.S.
Cayirova-Gebze (Izmit)

UNION OF SOVIET SOCIALIST REPUBLICS

The incomplete and perhaps inaccurate plant listings shown on page 93 of the June 1971 issue are not repeated here.

Rayon plants have been reported at Balakovo, Barnaul, Cherkassy (Ukraine), Kalinin, Kamensk, Kiev, Klin, Krasnoyarsk, Leningrad, Mogilev, Ryazan, Saratov, Sokol, Sverdlovsk and Svetlogorsk.

Acetate plants have been reported at Engels, Fergana, Kaunas, Kirovakan and Moscow.

Nylon plants are reported at Barnaul, Chernigov, Daughavpils, Engels, Grodno, Kemerovo, Kiev, Klin, Kursk, Leningrad, Rustavi, Shchekino and Zhitomer.

Other non-cellulosic fiber plants are located at Kustanay (vinyon), Minsk (polyester), Mogilev (polyester), Navoi, Polotsk (acrylic+modacrylic) and Saratov.

Textile glass fiber plants are reported at Astrakhan, Kalinin, Khabarovsk, Leningrad, Mingechaur, Moscow, Polotsk, Salavat, Saratov, Sevan and Severodonetsk.

UNITED KINGDOM

ANGLIA FIBRES PLC•
Polyester Hadleigh, Suffolk (monofil)
Polyvinylfluoride Hadleigh *Kynar* (monofil)
Saran Hadleigh *Saran* (monofil)

COURTAULDS, PLC
Acrylic Grimsby, Lincolnshire *Courtelle* (staple)
Modacrylic Coventry, Warwickshire *Teklan* (staple)
Rayon Grimsby & Holywell, Clwyd, Wales (staple)

COURTAULDS ACETATE PLC
Acetate Coventry; Spondon, Derbyshire; & Wrexham, Clwyd, Wales (yarn & staple)
Triacetate Coventry & Spondon (yarn & staple)

DU PONT (U.K.) PLC
Spandex Maydown, Londonderry, N. Ireland *Lycra* (fused multifil)

HOECHST FIBRE INDUSTRIES UK PLC
Polyester Limavady, Londonderry, N. Ireland *Trevira* (yarn & monofil)

ICI FIBRES (a division of Imperial Chemical Industries PLC)
Nylon 66 Doncaster, Yorkshire; Gloucester, Gloucestershire & Pontypool, Gwent, Wales *Bri-Nylon, Counterstat, Pavanne, Tendrelle, Timbrelle* (yarn, staple & tow)
Biconstituent Pontypool *Cambrelle Floratex, Terram* (melded fabrics)
Polyester Pontypool & Wilton, Yorkshire *Mitrelle, Terylene* (yarn, staple & tow)

MONSANTO PLC
Acrylic Coleraine, Londonderry, N. Ireland *Acrilan* (staple, tow & tops)

NYMOFIL PLC
Nylon 6 & 66 Poulton-le-Fylde, Lancashire (monofil)
Polyester Poulton-le-Fylde (monofil)

PERI-LUSTA PLC
Nylon 6/66 Leek, Staffordshire (monofil)

PLASTICISERS PLC•
Nylon 6 & 66 Drighlington, Yorkshire *Dimafil* (yarn)

UNITED KINGDOM *(Continued)*

OLEFIN FIBER

AMOCO FABRICS, DIVISION OF AMOCO (U.K.) PLC
Consett, Durham (P film)

ANGLIA FIBRES PLC Hadleigh, Suffolk *TPX* (E & P monofil)

BELFAST ROPEWORK CO. PLC Belfast, N. Ireland *Bluebell* (E & P monofil, P yarn, staple & film)

CROMPTON AND BROTHERS (P staple)

DON FIBRES PLC Forfar, Angus, Scotland (P yarn, monofil, staple & film)

F. DRAKE (FIBRES) PLC Colcar, Huddersfield, Yorkshire *Gymlene* (P staple)

FILTRONA TEXTILE PRODUCTS PLC Dundee, Angus, Scotland
Filtrona (P film), *Filtrona Fibre* (P staple)

FLEMMING'S ROPE & TWINES (WOOLSTON) PLC Warington, Lancashire (P monofil)

GREENVILLE CARPETS PLC Belfast, N. Ireland (P yarn)

HALL'S BARTON ROPERY CO. PLC Hull, Yorkshire (P film and E & P monofil)

THE HAWKINS AND TIPSON GROUP Hailsham, East Sussex (P staple & film)

McCLEERY L'AMIE GROUP PLC Belfast, N. Ireland (P yarn)

NORTHERN IRELAND CARPETS PLC Belfast, N. Ireland (P staple)

PLASTICISERS PLC Drighlington, Yorkshire *Drylene* (E monofil), *Charisma, Duron, Fibrite, Tritor* (P yarn, monofil, film & staple)

POLYOLEFIN FIBRES & ENGINEERING PLC Bradford, Yorkshire
Downspun (P staple)

The following companies produce olefin film fiber: BONAR TEXTILES PLC, Dundee, Angus, Scotland; BRIDON FIBRES & PLASTICS PLC, Gateshead & Sunderland, Durham & Wallsend, Northumberland *Broplene, Red Star, Viking*; FAIRBAIRN LAWSON PACKAGING PLC, Barnsley, Yorkshire; POLYTAPE PLC, Dundee, Angus, Scotland *Propafil, Propatape*; ROKO CONTAINERS Nottingham; ROTHES PLASTICS PLC, Glenrothes, Fife, Scotland; SMITH & NEPHEW POLYFABRIK PLC, Newhey, near Rochdale, Lancashire *Polyweave*; SYNTHETIC FABRICS (SCOTLAND) PLC, Forfar, Angus; SYNTHETIC INDUSTRIES (IRELAND) PLC, Newry, Down, N. Ireland; TALBOT WEAVING CO. PLC, Chorley, Lancashire; and TAY TEXTILES, Dundee, Angus, Scotland.

TEXTILE GLASS FIBER

FIBREGLASS PLC (subsidiary of Pilkington Brothers PLC)
Wrexham, Clwyd, Wales *Fiberglass*

TBA INDUSTRIAL PRODUCTS PLC
Camberley, Surrey & Hindley Green, Lancashire

FIBREGLASS-REGINA, a joint venture of FIBREGLASS PLC and the BBA GROUP PLC, is producing textile glass tissue (voile) at Liversedge and St. Helens, Merseyside.

UNITED STATES OF AMERICA

ALBANY INTERNATIONAL - MONOFILAMENT PLANT•

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612	Homer (monofil)
Polyester	Homer (monofil - regular & hydrolysis resistant)

ALLIED FIBERS AND PLASTICS COMPANY

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso, Caprolan, Nypel* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

Acrylic	Santa Rosa, FL *Creslan* (staple & tow)

AMERICAN ENKA COMPANY, A PART OF AKZONA, INC.

Nylon 6	Enka, NC, Central, SC & Lowland, TN *Crepeset, Enka, Enkaloft, Enkalure, Enkasheer, Enkatron, Multisheer, Phase 7, Softalon, Zantrel* (yarn, monofil & staple)
Polyester	Central & Lowland *Encron, Encron 8, Enka, Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn & staple)
Rayon	Lowland (staple)

AMERICAN HOECHST CORPORATION, HOECHST FIBERS INDUSTRIES DIVISION

Polyester	Spartanburg, SC *Trevira* (yarn & staple), Delaware City, DE (monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION•

Nylon 6, 66, 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC.

Acetate	Meadville, PA (yarn)
Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA (ind yarn & staple)
Vinyon	Meadville (staple)

BADISCHE CORPORATION

Acrylic	Williamsburg, VA *Zefran* (staple)
Nylon 6	Anderson, SC *Zefron* (yarn & staple)

BERKLEY & CO. INC.•

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION•

Nylon 6	Bristol, VA *Camalon* (yarn)

CELANESE FIBERS COMPANY, A DIVISION OF CELANESE CORPORATION

Acetate	Cumberland, MD (Amcelle), Rock Hill, SC (Celriver) & Narrows, VA (Celco) (yarn, staple & tow)
Triacetate	Cumberland & Rock Hill (yarn, staple & tow)

CORTLAND LINE COMPANY

Nylon 6	Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.

Nylon 6	Le Moyne, Mobile County, AL *Courtaulds, Shareen* (yarn & monofil)
Rayon	Le Moyne (staple)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)•
TEXTILE FIBERS DEPARTMENT•

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Fluoro	Richmond, VA *Teflon* TFE & FEP fluorocarbon fiber (yarn, monofil, staple, tow & flock)
Nylon 66	Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Nylon Other	Chattanooga (yarn)
Aramid	Richmond *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Polyester	Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT

Nylon 6, 66, 612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY
CAROLINA EASTMAN COMPANY

Polyester	Columbia, SC *Kodel* (yarn & staple)

TENNESSEE EASTMAN COMPANY

Acetate	Kingsport, TN (yarn)
Modacrylic	Kingsport *Verel* (staple)
Polyester	Kingsport *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. (subsidiary of Celanese Corporation)

Polyester	Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, ECF, ESP, Fortrel, Lambda, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)

FIRESTONE FIBERS & TEXTILES COMPANY,
DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

Nylon 6	Hopewell, VA (yarn & monofil)
Polyester	Hopewell (yarn)

GLOBE MANUFACTURING CO.

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC 100, DC 700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION

Polyester	Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION

Nylon 6	Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED (subsidiary of Falk Fibers & Fabrics, Inc.)

Nylon 6	Yanceyville, NC *Hanover* (yarn & monofil)

U.S.A. *(Continued)*

JOHNSON FILAMENTS, INC. (subsidiary of JWI Ltd.)
Nylon 6/66 Williston, VT (monofil)
Polyester Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION
Nylon 66 Creedmoor, NC (yarn - captive)

MEYERS FIBERS, INC. - See Tolaram Fibers, Inc.

MONOFILAMENTS, INC.
Nylon 6/66 Waynesboro, VA (monofil)
Polycarbonate Waynesboro (monofil)
Polyester Waynesboro (monofil)

MONSANTO COMPANY
MONSANTO POLYMERS AND RESINS COMPANY
Nylon 66 Pensacola, FL *AstroTurf* (recreational & landscaping surfaces)
MONSANTO TEXTILES COMPANY
Acrylic Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic Decatur *SEF* (staple & tow)
Nylon 66 Pensacola, FL & Greenwood, SC *Blue C, Cadon, Cumuloft, Ultron, Ultron Z* (yarn, monofil & staple), *Cerex* (spunbonded)
Polyester Decatur *Blue C* (staple)

NORTH AMERICAN RAYON CORPORATION
Rayon Elizabethton, TN (ind & reg yarn and tow)

OMEGA YARNS, INC. (subsidiary of Tietex Corp.)
Polyester Asheboro, NC (yarn)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
Nylon 6/66 Columbia, SC *Sooflex, Superflex, S_3, Wondertbread* (monofil)
Polyester Columbia *Shakespeare Wondertbread* (monofil)

STAR FIBERS, INC.
Nylon 6 Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. (formerly Meyers Fibers, Inc.)
Polyester Ansonville, NC (yarn)

UNIROYAL TEXTILE, DIVISION OF UNIROYAL, INC.
Nylon 6 Shelbyville, TN (monofil - captive)

UNIVERSAL POLYMER PRODUCTS CORPORATION
(subsidiary of Falk Fibers & Fabrics, Inc.)
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
Nylon 6 & 66 Johnsonville, SC *Wellon, Wellstrand* (monofil, staple, tow & tops)
Polyester Johnsonville *Wellene* (monofil, staple, tow & tops)

OLEFIN FIBER

ACS INDUSTRIES, INC. Woonsocket, RI (P yarn & staple)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT Homer, NY (P monofil)

AMERICAN MANUFACTURING COMPANY
HONESDALE ROPE DIVISION Honesdale, PA (E & P monofil & film)
LAFAYETTE ROPE DIVISION Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION Odenton, MD (E & P monofil)

AMOCO FABRICS COMPANY, PATCHOGUE-PLYMOUTH DIVISION Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA & Afton, VA *Marquesa Lana, Patlon, Patlon Plus* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC. Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC. Charlotte, NC (P film - captive)

BEMIS COMPANY, INC. St. Louis, MO (P film)

BERKLEY & CO. INC. Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramie, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film)

BRIDON CORDAGE INC. Albert Lea, MN (P film)

CAMAC CORPORATION Bristol, VA (P yarn)

CELANESE FIBERS COMPANY - See Mirafi Inc.

CHASE BAG COMPANY Orange, CA & New Orleans, LA (P film)

CHEVRON FIBERS, INC. (a subsidiary of Chevron Chemical Co.)
POLYLOOM PRODUCTS Dayton TN *Polyloom* (P film)

THE COLUMBIAN GROUP, DIVISION OF THE COLUMBIAN ROPE COMPANY Jefferson, LA & Auburn, NY *Manipro, Poly K, Poly Twine, Polypro 6, Radiant Twine* (E & P monofil & film)

CONCORDE FIBERS, INC. Jamestown, SC (P yarn)

CROWE ROPE COMPANY Warren, ME *Crowelon* (P monofil)

CROWN ZELLERBACH CORPORATION, NONWOVEN FABRICS DIVISION Camas, WA *Fibretex* (P spunbonded)

E. I. DU PONT DE NEMOURS & COMPANY (INC.), TEXTILE FIBERS DEPT. Old Hickory, TN & Richmond, VA *Typar* (P spunbonded), *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC. Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION Kingman, KS & Summerville, SC (P monofil & film)

FNT INDUSTRIES INC. Menominee, MI (E monofil)

FIBERS & FABRICS OF GEORGIA, INC. (subsidiary of Georgia Synthetics, Inc.) Elberton, GA (E & P yarn, monofil & film)

FIBERS SOUTH, INC. Trussville, AL (E & P film & monofil)

FIBRON CORPORATION OF TENNESSEE Chattanooga, TN *Fibri Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED Lakewood, NJ (P yarn)

GENERAL FIBERS & FABRICS, INC. LaGrange, GA (P film)

GEORGIA SYNTHETICS, INC. Elberton, GA (E & P yarn, monofil & film)

GLADDING CORP., CORDAGE DIVISION South Otselic, NY (P monofil)

HERCULES INCORPORATED, FIBERS MARKETING DIVISION Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY Xenia, OH (P film)

JACKSON ROPE COMPANY, DIVISION OF TUBBS CORDAGE COMPANY Austin, TX (P monofil & film)

KELLER INDUSTRIES, INC. Swainsboro, GA (P monofil - captive)

KIMBERLY-CLARK CORPORATION Corinth, MS, Balfour, NC & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded), *Cyclean* (P spunbonded meltblown laminate), *Evolution II, Safeguard CPF* (P spunbonded meltblown & P meltblown)

LAMBETH CORPORATION New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (a Consolidated Foods Company) Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC. Guilderland Center, NY (E film - captive)

MIRAFI INC. (formerly Celanese Fibers Company) (subsidiary of Dominion Textiles) Moultrie, GA (P film - captive)

NSI, INC. Soperton, GA (P film - captive)

THE OSTERNECK COMPANY Lumberton, NC (P film)

PHILLIPS FIBERS CORPORATION (subsidiary of Phillips Petroleum Company) Rocky Mount, NC & Spartanburg, SC *Marvess* (P yarn, staple & tow)

SARLON INDUSTRIES, INC. Miami, FL (P monofil)

SHUFORD MILLS, INC. Hickory, NC (P film)

SUNSHINE CORDAGE CORPORATION Miami, FL *Cala-Line, Oletex, Poncar, Sunshine, Sunylon, Sunypool* (E & P monofil)

SYNTHETIC INDUSTRIES Chickamauga, GA (P film - captive)

SYNTHETIC INDUSTRIES (TEXAS), INC. Houston, TX (E & P film)

TUBBS CORDAGE COMPANY Orange, CA *Loktite* (P monofil & film)
Also see Jackson Rope Company

TWINE PRODUCTS CORPORATION New Orleans, LA (P film)

UNITED STATES ROPE COMPANY Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC. Beverly, NJ (E & P monofil)

WALTRICH PLASTIC CORPORATION Tennent, NJ (P monofil)

U.S.A. *(Continued)*

OLEFIN FIBER *(Continued)*

WAYN-TEX, INC. *Waynesboro, VA* *Beamette, Waynfil* (E & P yarn & monofil & P film)

WELLINGTON PURITAN MILLS (MONTAIR DIV.) Pilot Mountain, NC *Pur-Ty, Welltite* (E & P monofil and film)

WELLINGTON SYNTHETIC FIBRES, INC. Leesville & Summerville, SC (P yarn and monofil)

The following companies are also producing a variety of textile products from olefin: CONWED CORP. *Conwed Plastic Netting* (P embossed film for netting); E. I. DU PONT DE NEMOURS & COMPANY (INC.) (E & P embossed film for netting); HERCULES INCORPORATED, POLYMERS DIVISION *Delnet* (E embossed film for netting); NALLE INC. (P embossed film for netting); RIEGEL PRODUCTS CORPORATION *Polyweb* (P meltblown); and THE 3M COMPANY (P spunbonded).

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION, FIBERGLASS REINFORCEMENTS DIVISION
Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.
Amsterdam, NY (roving & chopped)

LUNDY TECHNICAL CENTER
Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving, strand & mat)

MANVILLE CORPORATION (formerly Johns-Manville Sales Corporation, Filtration & Minerals Division) Waterville, OH & Etowah, TN *Chop-Pak* (chopped strand, mat & sliver)

NICOFIBERS INC.
Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OWENS-CORNING FIBERGLAS CORPORATION
Huntingdon, PA, Ashton, RI, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Actiwa, Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, spun roving, woven roving, mat, chopped, milled and staple yarn & sliver)

PPG INDUSTRIES, INC., FIBER GLASS DIVISION
Lexington & Shelby, NC *Azdel* (yarn, roving, woven roving, mat, chopped strand & rubber reinforcements)

REICHHOLD CHEMICALS, INC.
CHEMGLASS DIVISION Irwindale, CA *Chemglass* (roving, chopped & milled)
FIBERGLASS DIVISION Nashville, TN (roving, woven roving, mat, chopped & milled)
GLASS FIBER DIVISION Bremen, OH *Modiglass* (mat)

URUGUAY

HILADOS SINTETICOS S.A. (HISISA)
Nylon 66 Estacion Manga, Montevideo *Hisilon* (yarn)

POLIMEROS URUGUAYOS S.A.
Polyester San José, San José (staple)

SINTETICOS SLOWAK S.A.
Nylon 6 Montevideo *Crofil* (yarn & monofil)
Polyester Montevideo *Terpol* (yarn)

URACE S.A. (affiliate of Sudamtex de Uruguay S.A.)
Acetate Colonia (yarn)

OLEFIN FIBER

ARYN S.A. Montevideo (E monofil)

CINCA S.A. Montevideo (E film)

ELABORADORA DE ARPILLERA SINTETICA S.A. (E film)

UDINE S.A. (E monofil)

VENEZUELA

C.A. INVERSIONES ARAGUA
Nylon 6 Maracay *Sudalon* (yarn)

CELANESE VENEZOLANA S.A.
Acetate Valencia (yarn)
Polyester Valencia *Fortrel* (yarn & staple)

DOUGHERTY CORDAGE MILL
Nylon 6 Caracas (yarn)

HILADOS FLEXILON
Nylon 6 Caracas (yarn)
Polyester Caracas (yarn)

KURAVEN CO., LTD.
Polyester Maracay *Venecron* (staple)

SUDAMTEX DE VENEZUELA, C.A.
Polyester Maracay (yarn & staple)

VENASETA C.A.
Acetate Maracay (yarn)

YUGOSLAVIA

HEMTEKS
Polyester Skopje, Macedonia *Maklen* (yarn & staple)

INCEL FABRIKA CELULOZE I VISKOZE
Polyester Banja Luka, Bosna i Hercegovina *Belira* (yarn)
Rayon Banja Luka (staple)

INDUSTRIJA SINTETICKIK VLAKANA (PROGRES)
Nylon 6 Prizren, Kosovo Mitohijan *Supralon* (yarn)
Polyester Istok, Kosovo Mitohijan & Prizren *Prizrenit* (yarn)

KEMICNA TOVARNA MOSTE
Nylon 6 Ljubljana, Slovenia *Yulon* (yarn)

ORGANSKO HEMIJSKA INDUSTRIJA SKOPJE (OHIS)
Acrylic Skopje, Macedonia *Mäkrolan, Malon* (staple)

TEKSTILNA INDUSTRIYA "ZELE VELJKOVIC"
Nylon 6 Leskovac* (yarn & staple)

VARAZDINSKI TEKSTILNI KOMBINAT (VARTEKS)
Polyester Varazdin (staple)

VISKOZA
Rayon Loznica, Serbia (ind & reg yarn & staple)

OLEFIN FIBER

HEMIJASKA INDUSTRIJA U OSNIVANJU Belgrade (P staple)

TEXTILE GLASS FIBER

GOSTIVAR STAKLARA
Staklara (roving & mat)

WORLD MAN-MADE FIBER PRODUCER AFFILIATIONS & PERCENTAGE OF CAPITAL OWNERSHIP

Licensing and royalty agreements are not taken into account. The ownership of companies other than man made fiber producers is not listed, e.g., weaving mills, chemical producers, etc.

For each country, the percentage following the first-named producer is the portion owned by the captioned company; the remainder of the entry shows other ownership. For example, Akzo N.V. owns 25% of Cyanenka of Spain, while American Cyanamid owns 40% and La Seda de Barcelona owns 35%. Also note that Akzo owns 57% of La Seda de Barcelona.

AKZO N.V. (NETHERLANDS)

Austria	Enka Austria 93%
Brazil	Companhia Bahiana de Fibras 45%; others 55%
	Polyenka 51%; others 49%
Colombia	Enka de Colombia 48%; others 52%
Ecuador	Enkador 48%; others 52%
Germany	Enka 97%; public 3%
India	Century Enka 39%; others 61%
Ireland	See British Enkalon under United Kingdom below.
Mexico	Fibras Quimicas 40%; Alfa group 60%
Netherlands	Enka 100%
	Silenka 33-1/3%; PPG Industries 33-1/3%; others 33-1/3%
Spain	Cyanenka 25%; American Cyanamid 40%; La Seda 35%
	La Seda 57%; others 43%
U.K.	British Enkalon 84%; public 16%. British Enkalon also owns 40% of Wellman International Ltd., Ireland.
U.S.A.	American Enka 66%; public 34%

AMERICAN CYANAMID COMPANY (U.S.A.)

Spain	Cyanenka 40%; Akzo N.V. 25%; La Seda 35%
U.S.A.	Fibers Division 100%

AMOCO CHEMICALS CORPORATION (U.S.A.)

Australia	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
Canada	Amoco Fabrics Co. 100%
Germany, F.R.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
U.K.	Amoco Fabrics 100%
U.S.A.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%

BASF AMERICA CORPORATION (U.S.A.)

BASF America owns 100% of Badische Corp. (U.S.A.), which in turn owns 100% of Badische Canada Limited.

ASAHI CHEMICAL INDUSTRY CO. LTD. (JAPAN)

India	Baroda Rayon Corp. 1%; local interests 89%; others 10%
Indonesia	P.T. Indonesia Asahi Chemical 69%; others 30%; local interests 1%
Ireland	Asahi Synthetic Fibres (Ireland) 85%; others 15%
Japan	Asahi Chemical 100%
	Asahi-PPG 50%; PPG Industries 50%
Korea, Rep.	Tong Yang Polyester 50%; Tong Yang Nylon 50%

BAYER A.G. (WEST GERMANY)

Belgium	N.V. Bayer 100%
Germany, F.R.	Bayer A.G. 100%
Iran	Sherkat Sahami Aliaf 50%; Aftab Shargh & others 50%
Peru	Bayer Industrial S.A. 60%

CELANESE CORPORATION (U.S.A.)

Belgium	Amcel Europe 100%
Brazil	Celanese do Brasil-Fibras Químicas 100%
	Celanese do Brasil Nordeste 100%
Canada	Celanese Canada Inc. 56%
	Celanese Canada (Millhaven) Inc. 56%
Mexico	Celanese Mexicana 40%; public 60%
Peru	Rayon y Celanese Peruana 33%
U.S.A.	Celanese Fibers Company 100%
	Fiber Industries 62½%; ICI Fibres (U.K.) 37½%

COURTAULDS, PLC (U.K.)

Canada	Courtaulds (Canada) Inc. 100%
France	Courtaulds S.A. 100%
Ireland	Lirelle (Ireland) Ltd. 100%
Italy	Fin Novaceta S.p.A. 50%; SNIA 50%
Spain	INACSA 12%; public 88%
U.K.	Courtaulds Acetate PLC 100%
	Courtaulds, PLC 100%
U.S.A.	Courtaulds North America Inc. 100%

E. I. DU PONT DE NEMOURS & COMPANY (U.S.A.)

Argentina	Ducilo 83%; Bunge & Born 17%
Brazil	Du Pont do Brasil 100%
Canada	Du Pont Canada 75%; public 25%
Germany, F.R.	Du Pont de Nemours (Deutschland) 100%
Japan	Toyo Products 50%; Toray Industries 50%
Luxembourg	Du Pont Fibres 100%
Mexico	Nylon de Mexico 40%; Alfa-group 51%; public 9%
Netherlands	Du Pont de Nemours (Nederland) 100%
U.K.	Du Pont (U.K.) 100%
U.S.A.	Textile Fibers Department 100%
	Polymer Products Department 100%

FIRESTONE TIRE & RUBBER COMPANY (U.S.A.)

Canada	Firestone Textiles Co. 100%
U.S.A.	Firestone Fibers & Textiles 100%

HARBOUR GROUP LTD. (U.S.A.)

U.K.	Synthetic Industries (Ireland) PLC 100%
U.S.A.	Fibron Corp. of Tennessee 100%
	Synthetic Industries, Inc. 100%
	Synthetic Industries (Texas), Inc. 100%

HERCULES INCORPORATED (U.S.A.)

Italy	Neofil 50%; Montefibre 50%
U.S.A.	Hercules 100%

HOECHST A.G. (WEST GERMANY)

Austria	Austria Faserwerke: Hoechst Austria 51%; Lenzing 49%
Brazil	Cia. Brasileira de Sintéticos 60%
Germany, F.R.	Hoechst 100% Zehlendorf 91%
South Africa	Hoechst South Africa 100%
U.K.	Hoechst Fibre Industries 100%
U.S.A.	American Hoechst 100%

KURARAY CO., LTD. (JAPAN)

Indonesia	Kuma Fiber 40%; others 60%
Japan	Kuraray 100%
Venezuela	Kuraven 39%; others 61%

IMPERIAL CHEMICAL INDUSTRIES LIMITED (U.K.)

ICI owns 62% of ICI Australia Ltd., which in turn owns Fibremakers Ltd. of Australia.

Australia	Fibremakers Ltd. – 100% ICI Australia
Germany, F.R.	ICI Europa Fibres G.m.b.H. 100%
India	Chemicals & Fibres of India Ltd. 55%
Pakistan	ICI Pakistan Manufacturers 70%
Portugal	Finicisa-Fibras 50%; Francisco Fino Ltd. 50%
South Africa	S.A. Nylon Spinners (through AECI Ltd.) 40%
Spain	Nurel S.A. 50%; local interests 50%
U.K.	ICI Fibres 100%
U.S.A.	Fiber Industries 37½%; Celanese Corporation 62½%

MITSUBISHI RAYON (JAPAN)

Japan	Mitsubishi Acetate 100%
	Mitsubishi Rayon 100%
Portugal	FISIPE 5%; Mitsubishi Corp. 11½%; Quimigal 83½%
Taiwan	Tong Hwa 19%; Mitsubishi Corp. 12%; others 69%

MONSANTO COMPANY (U.S.A.)

Germany, F.R.	Monsanto (Deutschland) G.m.b.H. 100%
U.K.	Monsanto Limited 100%
U.S.A.	Monsanto Polymers & Resins Company 100%
	Monsanto Textiles Company 100%

MONTEFIBRE S.p.A. (ITALY)

France	Montefibre France 100%
Italy	Montefibre 50%; Snia Fibre 50%
	Fibra de Tirso 50%; Anicfibre 50%
	Merak 100%
	Neofil 50%; Hercules (U.S.A.) 50%
	Società Industriale Cremonese 50%
Malta	Montefibre Malta 99.9%
Spain	Montefibre Hispania 70%; others 30%

OWENS-CORNING FIBERGLAS CORPORATION (U.S.A.)

Belgium	Owens-Corning Fiberglas Europe 100%
Brazil	OCFIBRAS 100%
Canada	Fiberglas Canada 49%; Duplate Canada 49%; local interests 2%
France	Owens-Corning Fiberglas France 100%
Japan	Asahi Fiber Glass 28%; Asahi Glass Co., Ltd. 72%
Mexico	Vitro-Fibras 40%; Vitro Group 60%
Norway	Norsk Glassfiber 70%; Elkem-Spigerverket 30%
Sweden	Scandinavian Glasfiber 40%; Allmanna Svenska Electriska 60%
U.S.A.	Owens-Corning Fiberglas 100%

PPG INDUSTRIES (U.S.A.)

Netherlands	Silenka 33-1/3%; Akzo N.V. 33-1/3%; others 33-1/3%
U.S.A.	Fiber Glass Division 100%

PILKINGTON BROTHERS (U.K.)

Argentina	VASA 99.7%; Glaverbel/Boussois/local interests 0.3%
India	Fibreglass Pilkington 50% plus 1 share; Indian interests 50% less 1 share
South Africa	Fibreglass South Africa 24½%; Owens-Corning Fiberglas (U.S.A.) 24½%; Plate Glass & Shatterprufe Industries Ltd. 51%
U.K.	Fibreglass PLC 100%

RHONE-POULENC S.A. (FRANCE)

Argentina	Rhodia Argentina Química e Têxteis 100%
Brazil	Rhodia Indústrias Químicas e Têxteis 100%
	Rhodia Nordeste 99%
France	Rhône-Poulenc-Textile 99.9%
Germany, F.R.	Deutsche Rhodiaceta 100%
Spain	SAFA 60%
Switzerland	Viscosuisse (through Holva AG) 87%
Thailand	Thai Melon Polyester 40%, others 60%

SAINT-GOBAIN (FRANCE)

France	Saint-Gobain Industries 100%
Germany, F.R.	Gevetex-Textilglas 100%
Italy	Vetrotex Italia 100%
Spain	Fibras Minerales 69%; others 31%
U.S.A.	CertainTeed Corp. 54%; others 46%

SNIA FIBRE (ITALY)

Argentina	SNIAFA (through its Luxembourg subsidiary, Sapina) 23%
Brazil	Fiacão Brasileira de Rayon 96% (through Sapina)
France	Ets. Nysam 100%
Greece	Vomvicryl 15% (through Sapina)
India	Baroda Rayon 9% (through Sapina) South India Viscose 24% (through Sapina)
Ireland	Snia Ireland 80%
Italy	Snia Fibre 100% Novaceta 50%; Courtaulds (U.K.) 50%
Spain	SNIACE 25% (through Sapina)

TEIJIN LTD. (JAPAN)

Indonesia	P.T. Tifico 65.8%; Toyo Menka 16½%; local interests 17.7%
Japan	Teijin 100%
Korea, Rep.	Sunkyung Fibres 11%; local interests 89%
Philippines	Filipinas Synthetic Fiber 34%; others 66%
Taiwan	Hualon-Teijin 6%; local interests 94%
Thailand	Teijin Polyester 45%; local interests 55%

TORAY INDUSTRIES (JAPAN)

Brazil	Polynor is owned 16% by Matoray, which in turn is owned 35% by Toray and 65% by IRF Matarazzo.
Indonesia	P.T. Indonesia Toray Synthetics 42%; others 58%
Japan	Toray Industries 100% Toray Monofilament 100% Toyo Products 50%; Du Pont 50%
Korea, Rep.	Cheil Synthetic Textiles 23½%; Mitsui 6%; local interests 70½% Kolon Industries 19.8%; others 80.2%
Malaysia	Penfibre 90%; Textile Alliance 10%
Philippines	Philippine Polyamide 16½%; Itoman 12½%; Toyo Menka 11%; local interests 60%
Taiwan	Shin Kong 6½%; Mitsubishi Corp. 4½%; local interests 89%
Thailand	Toray Nylon Thai 30%; Mitsui 20%; local interests 50%

TUBBS CORDAGE COMPANY (U.S.A.)

Philippines	Manila Cordage 40%
U.S.A.	Tubbs Cordage 100%

WELLMAN, INC. (U.S.A.)

Ireland	Wellman International Ltd. 60%; British Enkalon 40%
U.S.A.	Man-Made Fiber Division 100%

(Continued from page 106)

million pounds.

It should also be noted that, after a 3-quarter decline, shipments of nylon filament yarn to the carpet trades rose to 123.6 million pounds, up 6½% from the fourth quarter 1981 total of 116.1 million pounds.

Analysis of the fiber-by-fiber staple+tow shipments, as compared with the first quarter of 1981, yields the following: Shipments of polyester staple+tow fell 11%, to 437.3 million pounds; nylon staple+tow shipments, at 141.9 million pounds, fell 31%; acrylic+modacrylic staple+tow shipments fell 17%, to 108.1 million pounds; shipments of olefin+vinyon staple+tow, at 29.3 million pounds, fell 8% and shipments of rayon staple+tow fell 23%, to 77.6 million pounds.

As was the case with shipments of yarn+monofilament, those of nylon staple+tow to the carpet trades should be noted as having ended a 2-quarter decline, up 22% from the fourth quarter 1981 figure of 102.7 million pounds, to 125.1 million pounds.

Similarly, after a 2-quarter decline, shipments of rayon staple+tow to the nonwovens industry increased 15% over the fourth quarter 1981 figure of 27.8 million pounds, to 32.0 million pounds.

NUMBER OF MAN-MADE FIBER PRODUCING PLANTS (EXCEPT OLEFIN)*

COUNTRY & REGION	CELL.		NON-CELLULOSIC					TEXTILE GLASS	GRAND TOTAL
	ACETATE[a]	RAYON	ACRYLIC[b]	NYLON[c]	POLYESTER	OTHER[d]	TOTAL		
WEST EUROPE									
AUSTRIA		2			1	1	2		4
BELGIUM LUX	1	2	1	3	1		5	2	10
FINLAND		1		1			1	1	3
FRANCE		3	2	7	4	1	14	2	19
GERMANY, F.R.	1	4	3	12	12	4	31	3	39
GREECE		1	1	2	2		5		6
IRELAND (EIRE)			1	2	2		5		5
ITALY MALTA	3	5	6	19	10	1	36	2	46
NETHERLANDS		2		2	2	1	5	1	8
NORWAY		1						1	2
PORTUGAL		2	1	1	1		3	1	6
SPAIN	1	4	2	6	5		13	1	19
SWEDEN		1		1			1	1	3
SWITZERLAND				3	2		5		5
TURKEY		1	2	3	7		12	1	14
UNITED KINGDOM	3	2	3	6	5	4	18	5	28
TOTAL W. EUROPE	**9**	**31**	**22**	**68**	**54**	**12**	**156**	**21**	**217**
EAST EUROPE									
BULGARIA		1	1	1	1		3		4
CZECHOSLOVAKIA		5		3	2		5	2	12
GERMAN DEM. REP.		8	2	3	2	1	8	1	17
HUNGARY		1	1	1			2		3
POLAND		6	1	1	2	2	6	2	14
ROMANIA		2	1	1	2		4		6
YUGOSLAVIA		2	1	2	5		8	1	11
E. EUROPE ABOVE		**25**	**7**	**12**	**14**	**3**	**36**	**6**	**67**
AMERICAS									
ARGENTINA	1	1	1	8	5	1	15	1	18
BOLIVIA					1		1		1
BRAZIL	1	4	2	19	11	1	33	1	39
CANADA	1	1		3	2	1	6	1	9
CHILE		2		2	3		5		7
COLOMBIA	1			3	4		7	1	9
COSTA RICA					1		1		1
CUBA		1							1
ECUADOR					3		3		3
GUATEMALA				1			1		1
MEXICO	1	2	3	9	9	2	23	1	27
PERU	1		1	3	4		8		9
USA	5	4	6	31	33	8	78	17	104
URUGUAY	1			2	2		4		5
VENEZUELA	2			3	4		7		9
TOTAL AMERICAS	**14**	**15**	**13**	**84**	**82**	**13**	**192**	**22**	**243**
AFRICA, ASIA & OCEANIA									
AUSTRALIA				3	2	1	6	1	7
BANGLADESH		1		1			1		2
EGYPT		2		1	2		3		5
INDIA	1	12	2	12	14		28	2	43
INDONESIA		3		3	8		11		14
IRAN			1	1	1		3		3
IRAQ		1							1
ISRAEL			1	1	1		3		3
JAPAN	2	15	7	12	22	18	59	15	91
KENYA				1	2		3		3
KOREA, REP. OF	1	1	2	6	13	1	22		24
MALAYSIA					1		1		1
NIGERIA					1		1		1
PAKISTAN	1			3	2		5		6
PHILIPPINES				2	2		4		4
SOUTH AFRICA				1	5		6	1	7
SRI LANKA				1			1		1
TAIWAN		2	3	15	18		36		38
THAILAND		1		3	4		7		8
TOTAL A, A & O	**5**	**38**	**16**	**66**	**98**	**20**	**200**	**19**	**262**
WORLD TOTAL*	**28**	**109**	**58**	**230**	**248**	**48**	**584**	**68**	**789**

* Data for People's Republic of China, North Korea & U.S.S.R. are not included here.

a. Acetate includes triacetate

b. Acrylic includes modacrylic.

c. Nylon includes aramid.

d. All Other includes 1 azlon, 2 biconstituent, 4 fluorocarbon, 1 polycarbonate, 1 polychlal, 1 polyesteramide, 1 polyvinylfluoride, 1 promix, 7 saran, 18 spandex or elastomer, 4 vinal and 7 vinyon plants, for a total of 48 plants producing these other fibers.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE		(N) NYLON+ARAMID			(P) POLYESTER		(O) OLEFIN				
HOSIERY[b]	N	99.0	106.3	106.3	107.0	27.2	27.2	27.7	24.9	22.4			
OTHER CIRCULAR KNIT[c]	N	65.5	58.9	56.6	48.2	12.3	13.6	11.4	10.9	8.4			
	P	635.5	615.4	495.7	345.6	95.4	97.3	83.9	69.0	59.9			
	A	1.9	4.5	3.2	4.8	0.9	2.1	1.3	0.5	0.4			
FLAT KNIT	A	138.3	146.9	144.9	104.7	27.6	37.2	23.5	16.4	20.2			
	N	196.1	202.6	176.3	163.2	43.3	44.5	37.6	37.8	32.8			
	P	81.7	89.0	83.8	98.4	25.7	25.1	25.1	22.5	20.6			
CARPET FACE	N	677.8	732.5	714.5	633.6	184.0	186.9	146.6	116.1	123.6			
	O	78.9	85.3	89.5	89.5	21.5	22.7	22.0	23.3	23.4			
CARPET BACKING[d]	O	213.7	220.7	197.8	195.3	52.7	49.9	48.0	44.7	45.7			
OTHER BROAD WOVEN[e]	A	125.9	129.2	110.5	104.7	22.8	27.7	29.6	24.6	22.3			
	N	95.0	102.7	94.3	89.2	22.0	21.9	21.6	23.7	21.5			
	P	411.5	387.2	405.5	440.2	100.8	138.4	115.6	85.4	78.4			
	O	158.7	171.4	186.3	200.7	50.3	50.3	51.5	48.6	42.8			
NARROW WOVEN[f]	A	7.0	5.9	8.7	8.5	1.5	2.2	2.2	2.6	0.9			
	N	40.6	37.2	31.4	34.0	9.1	7.1	9.2	8.6	8.2			
	P	29.1	30.5	28.1	28.1	6.4	7.5	7.3	6.9	5.4			
	O	11.1	11.8	12.3	12.6	3.2	3.2	3.1	3.1	2.8			
TIRES, INCL. CHAFER	N	267.6	285.3	209.2	204.7	51.5	52.7	52.6	47.9	42.1			
	P	253.4	227.4	161.0	174.8	43.3	44.1	46.6	40.8	43.7			
OTHER RUBBER INDUSTRY[g]	N	25.7	28.7	22.3	25.7	7.2	6.4	5.5	6.6	6.6			
	P	32.0	35.8	30.2	35.1	7.4	8.1	9.5	10.1	8.4			
ROPE, CORDAGE & FISHLINE	N	33.4	38.2	33.0	30.6	8.2	7.9	8.2	6.3	7.1			
	P	10.6	13.6	13.1	15.8	4.6	3.7	3.7	3.8	2.9			
	O	82.4	95.3	84.4	92.1	28.5	22.9	18.9	21.8	23.2			
ALL OTHER[h]	A	1.5	1.9	1.9	3.6	0.6	0.7	1.0	1.3	1.1			
	N	34.7	38.9	95.0	68.1	15.7	17.9	20.0	14.5	11.2			
	P	53.8	126.2	146.0	292.0	70.5	68.3	73.1	80.1	77.9			
	O	34.9	39.7	41.4	38.1	8.1	9.6	11.5	8.9	8.9			
TOTAL DOMESTIC ABOVE	A	274.6	288.4	269.2	226.3	53.4	69.9	57.6	45.4	44.9			
	N	1539.1	1631.3	1538.9	1404.3	380.5	386.1	340.4	297.3	283.9			
	P	1507.6	1525.1	1363.4	1430.0	354.1	392.5	364.8	318.6	297.2			
	O	579.7	624.2	611.7	628.3	164.3	158.6	155.0	150.4	146.8			
TOTAL DOMESTIC ABOVE		**3901.0**	**4069.0**	**3783.2**	**3688.9**	**952.3**	**1007.1**	**917.8**	**811.7**	**772.8**			
ALSO DIVIDED AS													
APPAREL		1671.2	1604.5	1530.4	1533.6	388.4	437.9	378.5	328.8	306.4			
HOME FURNISHINGS		1171.9	1274.6	1212.7	1128.7	308.6	313.3	273.3	233.5	235.2			
INDUSTRIAL		1057.9	1189.9	1040.1	1026.6	255.3	255.9	266.0	249.4	231.2			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		1.3	*	0	0	0	0	0	0	0			
NYLON		161.6	166.8	167.4	159.6	40.9	42.3	39.7	36.7	30.9			
POLYESTER		1018.7	1015.3	942.0	991.3	248.3	277.5	251.0	214.5	198.1			
OLEFIN		52.3	46.5	40.9	33.5	9.7	8.9	8.4	6.5	7.6			

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE & TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	241.8	238.8	275.7	255.6	63.2	70.6	67.2	54.6	54.7			
	NPR	15.0	21.3	11.5	8.9	2.2	1.9	2.3	2.5	2.0			
PILE FABRICS[b]	A	82.4	65.1	60.4	44.7	14.8	14.3	8.8	6.8	10.3			
	P	15.1	17.8	18.3	14.9	3.6	4.5	3.5	3.3	3.9			
OTHER CIRCULAR+FLAT KNIT[c]	R	10.8	11.7	9.8	10.9	2.7	3.3	2.6	2.3	2.0			
	A	93.1	98.8	125.0	91.6	24.0	26.2	23.3	18.1	24.4			
	P	223.7	278.1	296.3	300.7	77.7	78.7	78.2	66.1	70.9			
BLANKETS[b]	A	55.2	45.5	42.2	28.1	7.6	6.2	6.4	7.9	4.7			
	P	14.9	13.2	17.3	14.8	3.2	4.1	3.1	4.4	2.1			
OTHER BROAD WOVEN	R	245.9	233.2	201.6	224.7	56.5	58.2	57.6	52.4	38.5			
	N	52.6	59.2	53.0	52.4	12.4	14.2	13.2	12.6	11.6			
	A	28.6	42.1	42.3	33.0	10.0	8.5	7.1	7.4	5.7			
	P	1114.7	1171.0	1194.6	1107.0	269.9	290.8	284.2	262.1	232.2			
	O	10.6	17.0	17.3	17.1	5.0	5.7	2.9	3.5	3.7			
CARPET FACE YARNS	R	+	+	+	0.3	+	+	0.2	0.1	+			
	N	798.5	828.0	631.5	617.4	185.7	192.7	136.3	102.7	125.1			
	A	62.8	48.1			Included in All Other							
	P	200.8	192.4	119.9	124.0	27.0	37.6	29.2	30.2	24.6			
	O	46.0	64.7	61.6	67.5	16.1	17.7	17.3	16.4	17.0			
FIBERFILL[d]	P	198.2	239.6	205.1	226.7	57.1	54.0	59.0	56.6	49.0			
FLOCK	NP	8.2	10.7	10.8	13.0	3.8	4.2	2.7	2.3	2.1			
	R	4.7	5.1	5.1	5.6	0.8	1.3	2.3	1.2	0.7			
NONWOVENS[ef]	R	166.2	160.3	147.3	124.6	32.6	34.9	29.3	27.8	32.0			
	N	4.1	3.8	3.2	3.5	1.1	1.0	0.8	0.6	1.1			
	P	98.5	153.6	166.6	149.3	36.1	37.8	35.8	39.6	35.0			
	VINYON+O	28.6	36.7	34.6	42.7	9.6	11.3	11.1	10.7	7.4			
ALL OTHER	R	29.5	30.9	26.2	29.1	7.1	6.5	8.4	7.1	4.2			
	N	11.1	10.8	12.2	10.3	2.3	3.8	2.2	2.0	1.8			
	A	7.7	8.2	39.7	41.1	10.6	11.2	10.7	8.6	8.3			
	P	80.7	49.3	42.6	60.6	16.4	16.8	12.7	14.7	18.0			
	VINYON+O	4.8	0.9	1.5	4.7	1.2	0.8	0.9	1.8	1.2			
TOTAL DOMESTIC ABOVE	R	459.2	442.4	390.7	396.9	100.2	104.5	100.7	91.5	77.6			
	N	876.4	913.2	711.2	696.4	204.8	215.9	155.4	120.3	141.9			
	A	571.6	546.6	585.3	494.1	130.2	137.0	123.5	103.4	108.1			
	P	1967.5	2134.4	2071.0	2005.4	493.2	525.9	507.5	478.8	437.3			
	VINYON+O	90.0	119.3	115.0	132.0	31.9	35.5	32.2	32.4	29.3			
TOTAL DOMESTIC ABOVE		**3964.7**	**4155.9**	**3873.2**	**3724.8**	**960.3**	**1018.8**	**919.3**	**826.4**	**794.2**			
ALSO DIVIDED AS													
APPAREL		1493.4	1548.6	1632.9	1487.5	366.0	397.9	386.8	336.8	328.5			
HOME FURNISHINGS		1714.8	1759.1	1478.0	1442.9	394.7	415.9	334.0	298.3	287.3			
INDUSTRIAL		756.5	848.2	762.3	794.4	199.6	205.0	198.5	191.3	178.4			

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982						4 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
RAYON+ACETATE YARN, MONOFIL & STRIPS								
MEXICO	155	76	157	75			463	444
AUSTRIA	0	20	0	451			471	21
BELGIUM	11	0	0	23			34	75
GERMANY, FED. REP. OF	502	275	218	250			1245	1287
NETHERLANDS	86	77	17	59			239	1455
SPAIN	40	81	46	47			214	142
JAPAN	20	42	36	1			99	64
ALL OTHER COUNTRIES[a]	47	17	28	110			202	512
TOTAL R+A YARN	**861**	**588**	**502**	**1016**			**2967**	**4000**
RAYON+ACETATE STAPLE+TOW								
CANADA	155	167	191	129			642	1830
AUSTRIA	505	40	441	401			1487	1313
FRANCE	1	52	2	0			55	183
GERMANY, FED. REP. OF	42	44	43	0			129	85
SWEDEN	464	0	871	189			1524	750
UNITED KINGDOM	117	2	108	69			296	466
AUSTRALIA	153	0	0	0			153	0
JAPAN	149	24	134	118			425	429
ALL OTHER COUNTRIES[b]	0	80	1	44			125	12
TOTAL R+A STAPLE	**1686**	**409**	**1791**	**950**			**4836**	**5068**
NON-CELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	295	156	101	444			996	731
COSTA RICA	117	27	0	0			144	0
FRANCE	128	114	79	106			427	637
GERMANY, FED. REP. OF	581	362	295	372			1610	1414
ITALY	24	2	175	1			202	239
UNITED KINGDOM	67	48	38	43			196	211
JAPAN	453	661	463	450			2027	2104
ALL OTHER COUNTRIES[c]	18	8	29	26			81	202
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**			**5683**	**5538**
NON-CELLULOSIC STAPLE+TOW								
CANADA	439	310	864	219			1832	1658
MEXICO	177	27	57	79			340	825
BELGIUM	29	31	1	12			73	282
FRANCE	219	194	444	308			1165	1547
GERMANY, FED. REP. OF	730	752	975	725			3182	6362
IRELAND	0	39	39	77			155	56
ITALY	58	23	153	115			349	1859
NETHERLANDS	141	89	58	43			331	163
ROMANIA	50	106	29	219			404	216
UNITED KINGDOM	195	250	259	238			942	1209
JAPAN	588	461	510	401			1960	2023
TAIWAN	616	194	436	583			1829	2532
ALL OTHER COUNTRIES[d]	16	5	1	17			39	111
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**			**12601**	**18843**

Other countries supplying 1982 poundages are:

a. Brazil 55, Canada 15, France 44, Italy 8 & Rep. of Korea 80.

b. Finland 80, German Dem. Rep. 44 & Mexico 1.

c. Austria 9, Belgium 22, Ireland 1, Israel 1, Rep. of Korea 7, Mexico 4, Netherlands 18, Romania 1, Sweden 6 & Switzerland 12.

d. Austria 2, German Dem. Rep. 15, Hong Kong 1, Israel 1 & Switzerland 20.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982 JAN	1982 FEB	1982 MAR	1982 APR	1982 MAY	1982 JUN	4 MONTHS 1982	4 MONTHS 1981
RAYON+ACETATE									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	5	0	28	35			68	253
OTHER	310.0130 & .0230[a]	856	586	474	981			2897	3744
MONOFILAMENTS	309.0310 & .0610	0	2	0	0			2	3
STRIPS, $1/LB & UNDER	309.2000 *	0	0	0	0			0	0
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**			**2967**	**4000**
STAPLE	309.4320 & .4325	1510	409	1623	853			4395	4447
GROUPED FILAMENTS	309.3010 & .3110	176	--	168	97			441	621
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**			**4836**	**5068**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0			64	81
NON-CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	423	174	125	210			932	1215
POLYESTER	310.0110 & .0210	231	43	7	3			284	69
OTHER	310.0114 & .0214	32	26	69	361			488	98
OTHER - NYLON	310.0149 & .0249	111	211	278	99			699	1398
POLYESTER	310.0150 & .0250	551	691	368	441			2051	1220
OTHER	310.0170 & .0270[b]	164	81	140	162			547	654
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145			581	815
STRIPS, OVER $1/LB	309.2100 & .2500 *	31	13	36	21			101	69
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**			**5683**	**5538**
STAPLE - NYLON		392	209	400	316			1317	7442
POLYESTER	309.4342	487	517	933	577			2514	1210
ACRYLIC	309.4345	526	474	962	607			2569	4771
OLEFIN	309.4346	1	30	1	33			65	310
OTHER	309.4355	899	292	581	653			2425	3191
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	460	530	345	565			1900	323
POLYESTER	309.3040 & .3140	0	0	17	1			18	42
ACRYLIC	309.3050 & .3150	297	376	553	246			1472	905
OTHER	309.3065 & .3165	196	53	34	38			321	649
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**			**12601**	**18843**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647	1838	2315			7682	7720
POLYESTER	309.6630	1398	775	1580	608			4361	5433
ACRYLIC	309.6645	0	184	9	59			252	983
OTHER	309.6660	433	229	247	256			1165	826
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0			20	0
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26	9			102	220
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**			**13582**	**15182**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**			**39733**	**48712**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0	--	0			--	24
NON CELLULOSIC	310.1015[d] & .1109[e]	407	110	333	266			1116	918
OTHER - CELLULOSIC	310.1030 & .1135[f]	--	6	67	0			73	16
NON CELLULOSIC	310.1050 & .1070[g]	200	18	13	54			285	117
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0	18	20			66	111
OTHER	310.4015 & .4027[i]	1570	1253	1374	1784			5981	6750
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	205	89	190	229			713	1137
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188	226			783	855
SLIVER, TOPS & ROVING	309.9000	434	309	201	115			1059	1445
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736			4576	3195
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**			**54385**	**63280**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and non-cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA MILLION POUNDS

ITEM	1982						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**		**89.6**	**117.5**
NYLON[e] · INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7		144.4	174.3
· LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2		12.2	14.9
· CARPET	40.3	43.3	46.0	46.1	51.4		227.1	334.9
· TEXTILE	27.9	27.0	29.5	28.4	26.6		139.4	182.1
POLYESTER · INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9		124.0	128.3
· LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9		9.4	12.3
· TEXTILE	75.4	87.8	88.5	88.2	79.3		419.2	532.1
OLEFIN[h]	50.1	50.4	51.0	48.9	48.5		248.9	281.5
TOTAL NON-CELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.1**	**259.5**		**1324.6**	**1660.4**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**		**147.7**	**196.4**
NYLON[e]	48.0	48.3	49.7	55.9	61.0		262.9	366.9
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5		264.7	312.5
POLYESTER	173.3	176.4	174.0	161.7	156.6		842.0	1084.4
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9		55.6	56.4
TOTAL NON-CELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**		**1425.2**	**1820.2**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**		**11.9**	**11.6**
NYLON[e] · INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7		31.7	42.5
· LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6		4.6	3.4
· CARPET	62.3	58.0	55.5	54.1	49.7		49.7	36.4
· TEXTILE	50.9	52.9	51.1	48.6	45.9		45.9	43.6
POLYESTER · INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1		27.1	23.7
· LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6		3.6	3.3
· TEXTILE	93.4	89.9	93.4	91.9	87.1		87.1	72.5
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3		63.3	58.3
TOTAL NON-CELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.5**	**313.0**		**313.0**	**283.7**
STAPLE+TOW+FIBERFILL								
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**		**36.2**	**25.4**
NYLON[e]	63.9	58.7	59.3	53.4	48.9		48.9	40.1
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7		63.7	67.1
POLYESTER	180.4	191.9	189.2	186.6	185.8		185.8	181.7
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7		24.7	15.2
TOTAL NON-CELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**		**323.1**	**304.1**

WOOL & COTTON CONSUMPTION

APPAREL CLASS WOOL	11.6	10.6	13.0	10.8			46.0	50.9
CARPET CLASS WOOL	0.7	0.9	1.0	0.8			3.4	3.3
TOTAL RAW WOOL	12.3	11.5	14.0	11.6			49.4	54.2
RAW COTTON	207.2	198.6	228.7	217.3	211.1		1062.9	1168.8

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

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Textile
Organon

June 1982 Supplementary Issue. A publication of the Textile Economics Bureau, Inc.

World Man-Made Fiber Survey

This is the supplementary issue of the June 1982 ***Textile Organon***. The following pages contain all data pertinent to the 1981 world man-made fiber production & producing capacity survey, along with the 1980 production data.

The tables presented are: World Production of Certain Man-Made Fibers, World Non-Cellulosic Fiber Production & Producing Capacity (Except Olefin), World Non-Cellulosic Fiber Production & Producing Capacity by Country (Except Olefin), World Rayon+Acetate Production & Producing Capacity by Country, Rayon vs. Acetate Filament Yarn Production & Producing Capacity by Country, World Olefin Fiber Production by Country, World Acetate Staple Production & Producing Capacity, Estimated World Cigarette Tow Production and World Textile Glass Fiber Production & Producing Capacity.

A new addition is included, a by-area table, which depicts the percent change in production from 1980 to 1981 by non-cellulosic fiber (except olefin) and the capacity utilization of each fiber by each area of the world.

It should be noted that all data in this supplement are in ***metric tons;*** the July 1982 ***Organon*** will supply these data in millions of pounds. In addition, the 1980 production data presented are identical to the updated data found in the June ***Organon***.

WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS
THOUSAND METRIC TONS & *Percent*

TYPE OF FIBER	1980	1981
RAYON+ACETATE FIBERS (from page 139)		
YARN+MONOFILAMENTS	1,161	1,103
STAPLE+TOW	2,081	2,089
TOTAL RAYON+ACETATE	**3,242**	**3,192**
NON-CELLULOSIC FIBERS except Olefin (from page 138)		
YARN+MONOFILAMENTS	4,745	4,808
STAPLE+TOW	5,747	5,922
TOTAL NON-CELL. ABOVE	**10,492**	**10,730**
TOTAL MAN-MADE ABOVE	**13,734**	**13,922**
% of World Total	*46*	*45*
NATURAL FIBERS		
RAW COTTON	14,266	15,387
RAW WOOL	1,581	1,609
RAW SILK	56	57
TOTAL NATURAL ABOVE	**15,903**	**17,053**
% of World Total	*54*	*55*
WORLD TOTAL ABOVE	**29,637**	**30,975**
World Total %	*100*	*100*

For footnotes, see page 105, June 1982 *Organon*.

The editors trust that the publication of the 1981 production and producing capacity survey in the form of this supplement has lent itself to greater accuracy of world data. Along these lines, the editors gladly welcome information concerning any data which may be omitted or incorrect.

One further note, the earlier world production and producing capacity data for most of the tables presented may be found in the January 1962 ***Organon*** Base Book and in the June 1966, 1970, 1979, 1980 and 1981 issues. Complete data from 1975 to 1980 may be found in this year's June issue.

ACKNOWLEDGEMENTS

This 1981 world man-made fiber survey would not have been possible without the help and cooperation of more than 100 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles, Domestic and International Business Administration, U.S. Department of Commerce. Their efforts are greatly appreciated.

OLEFIN DATA PRESENTATION

As has been the practice with past June issues, all world olefin data are presented separately from the other non-cellulosic fibers. This method of presentation is necessitated by a lack of complete or accurate olefin data worldwide.

Two examples illustrate the problem:

A. Though the U.S. olefin production data published regularly in the ***Organon*** include yarn, monofil, staple, film fiber and spunbonded polypropylene, published Italian and Japanese olefin data, for example, show the production of yarn+monofilaments and staple+tow but no data on the production of film fiber, such as is used in sacks, fishing nets and carpet backing.

B. The published man-made fiber data of many other countries show little or no olefin fiber production at all, e.g., France, West Germany and the United Kingdom.

Due to the difficulties given above, the non-cellulosic data except olefin are presented on page 139.

Then in the table on page 144, the olefin data of most countries are shown. These data consist of (a) the "official" country data published by a government, an association or other statistical agency. Then added to them is (b) an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. No attempt is made to strike a world total as such, for the incomplete data of a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania, prohibit such a total.

1981 CHANGES IN PRODUCTION AND CAPACITY UTILIZATION

The most dramatic rise in production of non-cellulosic fibers (except olefin) from 1980 to 1981 was registered by the nations under the category of "All Other" or, more specifically, Other Africa, Asia and Oceania. 1981 yarn+monofilament production rose 12.1% from 1980 to 899 thousand metric tons (tmt), as did staple+tow production by 9.7% to 1,094 tmt. These countries exhibited a total increase of 10.8% for all fibers, from 1,799 tmt in 1980 to 1,993 tmt in 1981.

West Europe also posted increases in production over 1980 levels. Yarn+monofilament production rose 1.8% in 1981, to 896 tmt, and staple+ tow production increased 7.3% to 1,382 tmt, yielding a total rise of 5.1% in the production of fibers, from 2,168 tmt in 1980 to 2,278 tmt in 1981.

The United States made modest gains in production with yarn+monofilaments up 1.9%, to 1,439 tmt in 1981, and staple+tow increasing by 0.4% to 1,837 tmt. Total production of fibers for the United States rose by 1.0%, from 3,242 tmt in 1980 to 3,276 tmt in 1981.

The countries listed under "Other Americas" recorded a decline in total fiber production for 1981 of 7.5%, to 674 tmt. Off 9.6% from 1980, yarn+monofilament production fell to 385 tmt, while production of staple+tow dropped 4.6% to 289 tmt.

Japan's production declined for 1981, off 2.1% from 1980, to 1,329 tmt. Production of yarn+monofilaments fell 3.0% in 1981, from 1980's level of 626 tmt to 607 tmt in 1981. Staple+tow production, off 1.2% in 1981, fell to 722 tmt from the 731 tmt produced in 1980.

Production of yarn+monofilaments in East Europe fell 2.8% in 1981, from the 599 tmt produced in 1980 to the 1981 level of 582 tmt. Production of staple+tow remained unchanged from 1980 at 598 tmt. Total fiber production for 1981 fell 1.4% to 1,180 tmt.

A comparison of the 1981 rates of capacity utilization for non-cellulosic fibers (except olefin), which includes 1981 production and the March 1982 capacities of fibers, yields the following results:

The United States posted a total capacity utilization rate for 1981 of 87.5%. In 1981, the yarn+monofilament

(Continued on page 143)

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Textile Organon

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WORLD NON-CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN)

THOUSAND METRIC TONS

COUNTRY		ACTUAL PROD.		PROD. CAPACITY	
		1980	1981	*1982*	*1983*
WEST EUROPE					
AUSTRIA	S	25.4	24.0	*21.0*	*21.0*
BENELUX[a]	Y	71.9	80.4	*110.4*	*78.6*
	S	32.4	25.3	*30.3*	*35.3*
	TOT	104.3	105.7	*140.7*	*113.9*
IRELAND (EIRE)	Y	10.0	7.5	*7.0*	*7.0*
	S	31.7	31.3	*39.0*	*39.0*
	TOT	41.7	38.8	*46.0*	*46.0*
FINLAND	Y	0.4	0.6	*0.6*	*0.6*
FRANCE	Y	65.3	66.4	*108.0*	*108.0*
	S	126.7	134.8	*162.0*	*163.0*
	TOT	192.0	201.2	*270.0*	*271.0*
GERMANY, FED. REP. OF	Y	317.7	320.7	*382.0*	*382.0*
	S	402.4	431.5	*501.0*	*501.0*
	TOT	720.1	752.2	*883.0*	*883.0*
GREECE	Y	9.0	9.0	*15.7*	*15.7*
	S	10.0	10.4	*12.0*	*12.0*
	TOT	19.0	19.4	*27.7*	*27.7*
ITALY/MALTA	Y	124.9	149.6	*204.7*	*204.7*
	S	229.9	286.3	*447.0*	*447.0*
	TOT	354.8	435.9	*651.7*	*651.7*
PORTUGAL	Y	1.4	1.4	*1.5*	*1.5*
	S	32.1	34.0	*41.0*	*41.0*
	TOT	33.5	35.4	*42.5*	*42.5*
SPAIN	Y	64.9	72.3	*103.4*	*103.9*
	S	142.5	168.9	*203.5*	*204.5*
	TOT	207.4	241.2	*306.9*	*308.4*
SWEDEN	Y	0.1	0.1	*0.2*	*0.2*
SWITZERLAND	Y	60.7	61.6	*77.5*	*78.5*
	S	23.7	22.0	*34.0*	*34.0*
	TOT	84.4	83.6	*111.5*	*112.5*
TURKEY	Y	28.0	26.5	*66.0*	*72.6*
	S	70.0	65.0	*144.5*	*145.5*
	TOT	98.0	91.5	*210.5*	*218.1*
UNITED KINGDOM	Y	125.9	99.4	*114.0*	*105.0*
	S	161.7	149.4	*251.0*	*251.0*
	TOT	287.6	248.8	*365.0*	*356.0*
EAST EUROPE					
BULGARIA	Y	12.8	12.5	*13.5*	*13.5*
	S	37.0	39.0	*62.0*	*62.0*
	TOT	49.8	51.5	*75.5*	*75.5*
CZECHOSLOVAKIA	Y	54.0	55.5	*59.0*	*59.0*
	S	22.4	25.1	*53.0*	*53.0*
	TOT	76.4	80.6	*112.0*	*112.0*
GERMAN DEM. REP.	Y	57.0	58.1	*73.0*	*73.0*
	S	82.0	84.0	*103.0*	*103.0*
	TOT	139.0	142.1	*176.0*	*176.0*
HUNGARY	Y	5.8	7.0	*6.0*	*6.0*
	S	13.8	14.3	*17.5*	*17.5*
	TOT	19.6	21.3	*23.5*	*23.5*
POLAND	Y	94.5	78.7	*112.0*	*122.0*
	S	68.5	39.2	*80.0*	*80.0*
	TOT	163.0	117.9	*192.0*	*202.0*
ROMANIA	Y	33.0	34.0	*40.0*	*47.0*
	S	103.0	104.0	*144.0*	*144.0*
	TOT	136.0	138.0	*184.0*	*191.0*
U.S.S.R.	Y	319.0	312.5	*444.0*	*476.0*
	S	231.0	251.0	*349.0*	*349.0*
	TOT	550.0	563.5	*793.0*	*825.0*
YUGOSLAVIA	Y	23.0	24.0	*43.0*	*43.0*
	S	40.0	41.0	*69.0*	*69.0*
	TOT	63.0	65.0	*112.0*	*112.0*
TOTAL EUROPE	**Y**	**1479.3**	**1477.8**	***1981.5***	***1997.8***
	S	**1886.2**	**1980.5**	***2763.8***	***2771.8***
	TOT	**3365.5**	**3458.3**	***4745.3***	***4769.6***
U.S.A.	**Y**	**1411.6**	**1438.8**	***1633.9***	***1668.9***
	S	**1830.5**	**1836.7**	***2108.3***	***2171.8***
	TOT	**3242.1**	**3275.5**	***3742.2***	***3840.7***
OTHER AMERICAS					
ARGENTINA	Y	21.3	16.0	*45.0*	*45.0*
	S	12.9	8.3	*32.0*	*37.0*
	TOT	34.2	24.3	*77.0*	*82.0*
BRAZIL	Y	136.4	115.0	*146.5*	*146.5*
	S	95.0	86.8	*108.8*	*108.8*
	TOT	231.4	201.8	*255.3*	*255.3*
CANADA	Y	74.0	65.9	*119.0*	*119.0*
	S	48.0	43.9	*55.2*	*55.2*
	TOT	122.0	109.8	*174.2*	*174.2*
CHILE	Y	5.0	5.0	*10.5*	*10.5*
	S	2.5	2.5	*4.2*	*4.2*
	TOT	7.5	7.5	*14.7*	*14.7*
COLOMBIA	Y	23.0	20.2	*42.7*	*57.5*
	S	10.9	11.2	*14.0*	*14.0*
	TOT	33.9	31.4	*56.7*	*71.5*
COSTA RICA	Y	3.0	3.0	*6.5*	*6.5*
ECUADOR	Y	3.5	3.5	*4.8*	*4.8*
GUATEMALA	Y	0	0	*2.0*	*2.0*
MEXICO	Y	137.0	134.1	*210.0*	*230.0*
	S	102.4	107.6	*188.5*	*188.5*
	TOT	239.4	241.7	*398.5*	*418.5*
PERU	Y	10.5	10.1	*11.4*	*15.0*
	S	22.5	21.1	*24.5*	*33.5*
	TOT	33.0	31.2	*35.9*	*48.5*
URUGUAY	Y	1.1	0.9	*1.1*	*1.1*
	S	2.6	2.1	*3.4*	*3.4*
	TOT	3.7	3.0	*4.5*	*4.5*
VENEZUELA	Y	11.5	11.2	*15.4*	*15.4*
	S	6.0	6.0	*6.9*	*6.9*
	TOT	17.5	17.2	*22.3*	*22.3*
TOTAL OTHER AMERICAS	**Y**	**426.3**	**384.9**	***614.9***	***653.3***
	S	**302.8**	**289.5**	***437.5***	***451.5***
	TOT	**729.1**	**674.4**	***1052.4***	***1104.8***
JAPAN	**Y**	**625.7**	**607.0**	***742.0***	***742.0***
	S	**731.1**	**721.8**	***857.0***	***857.0***
	TOT	**1356.8**	**1328.8**	***1599.0***	***1599.0***
OTHER AFRICA, ASIA & OCEANIA					
AUSTRALIA/N.Z.	Y	13.0	10.0	*26.5*	*26.5*
	S	+	0	*0*	*0*
	TOT	13.0	10.0	*26.5*	*26.5*
BANGLADESH	Y	0.3	0.2	*0.9*	*0.9*
PEOPLE'S REP. OF CHINA	Y	66.0	82.0	*165.0*	*215.0*
	S	204.0	241.8	*325.0*	*335.0*
	TOT	270.0	323.8	*490.0*	*550.0*
EGYPT	Y	1.8	2.0	*9.0*	*9.0*
	S	5.0	5.0	*25.0*	*25.0*
	TOT	6.8	7.0	*34.0*	*34.0*
INDIA	Y	39.7	50.3	*64.1*	*92.1*
	S	30.8	39.8	*51.7*	*82.4*
	TOT	70.5	90.1	*115.8*	*174.5*
INDONESIA	Y	41.5	46.4	*80.0*	*80.0*
	S	53.9	55.1	*58.6*	*58.6*
	TOT	95.4	101.5	*138.6*	*138.6*
IRAN	Y	4.5	4.0	*24.2*	*24.2*
	S	0	0	*37.7*	*37.7*
	TOT	4.5	4.0	*61.9*	*61.9*
ISRAEL	Y	10.5	10.5	*13.0*	*13.0*
	S	6.6	6.8	*8.0*	*8.0*
	TOT	17.1	17.3	*21.0*	*21.0*
KENYA	Y	1.0	1.0	*8.0*	*8.0*
	S	0	0	*5.4*	*5.4*
	TOT	1.0	1.0	*13.4*	*13.4*
KOREA, REP. OF	Y	255.2	283.8	*316.0*	*365.0*
	S	281.2	326.4	*339.9*	*354.8*
	TOT	536.4	610.2	*655.9*	*719.8*
MALAYSIA	S	36.0	36.0	*37.8*	*37.8*
NIGERIA	Y	2.5	2.7	*5.0*	*5.0*
	S	2.5	2.5	*5.0*	*5.0*
	TOT	5.0	5.2	*10.0*	*10.0*
PAKISTAN	Y	1.5	1.5	*24.4*	*27.5*
	S	0	0	*24.0*	*24.0*
	TOT	1.5	1.5	*48.4*	*51.5*
PHILIPPINES	Y	30.0	32.0	*40.0*	*40.0*
	S	14.0	15.0	*18.0*	*18.0*
	TOT	44.0	47.0	*58.0*	*58.0*
SINGAPORE	Y	0	0	*0*	*0*
SOUTH AFRICA	Y	33.5	33.6	*43.0*	*43.0*
	S	20.0	20.0	*22.0*	*22.0*
	TOT	53.5	53.6	*65.0*	*65.0*
SRI LANKA	Y	0	0.8	*2.7*	*2.7*
TAIWAN	Y	264.6	298.2	*396.7*	*396.7*
	S	293.2	288.8	*369.1*	*369.1*
	TOT	557.8	587.0	*765.8*	*765.8*
THAILAND	Y	36.5	40.4	*30.4*	*40.4*
	S	49.5	56.3	*42.3*	*56.0*
	TOT	86.0	96.7	*72.7*	*96.4*
TOTAL A, A & O	**Y**	**802.1**	**899.4**	***1248.9***	***1389.0***
	S	**996.7**	**1093.5**	***1369.5***	***1438.8***
	TOT	**1798.8**	**1992.9**	***2618.4***	***2827.8***
WORLD TOTAL EXCEPT OLEFIN	**Y**	**4745.0**	**4807.9**	***6221.2***	***6451.0***
	S	**5747.3**	**5922.0**	***7536.1***	***7690.9***
	TOT	**10492.3**	**10729.9**	***13757.3***	***14141.9***

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1982 (1982) and December 1983 (1983).

These totals do not contain data for the fibers produced in North Korea.

a. Benelux includes Belgium, Netherlands and Luxembourg.

WORLD RAYON+ACETATE PRODUCTION & PRODUCING CAPACITY BY COUNTRY

THOUSAND METRIC TONS

COUNTRY		ACTUAL PROD.		PROD. CAPACITY	
		1980	1981	*1982*	*1983*
WEST EUROPE					
AUSTRIA	Y	15.3	15.2	*16.0*	*16.0*
	S	100.6	101.6	*106.0*	*106.0*
	TOT	115.9	116.8	*122.0*	*122.0*
BELGIUM/ NETHERLANDS	Y	37.4	38.6	*43.9*	*43.9*
	S	22.0	14.6	*30.0*	*17.8*
	TOT	59.4	53.2	*73.9*	*61.7*
FINLAND	Y	0.6	0	*0*	*0*
	S	47.2	46.6	*58.0*	*61.0*
	TOT	47.8	46.6	*58.0*	*61.0*
FRANCE	Y	16.4	11.0	*10.0*	*10.0*
	S	49.6	42.9	*65.0*	*65.0*
	TOT	66.0	53.9	*75.0*	*75.0*
GERMANY, FED. REP. OF	Y	65.2	65.0	*69.0*	*68.0*
	S	46.0	50.0	*55.0*	*55.0*
	TOT	111.2	115.0	*124.0*	*123.0*
GREECE	Y	7.2	7.2	*7.5*	*7.5*
ITALY	Y	36.6	35.1	*53.0*	*53.0*
	S	27.5	24.4	*35.0*	*35.0*
	TOT	64.1	59.5	*88.0*	*88.0*
NORWAY	S	28.4	28.4	*32.0*	*32.0*
PORTUGAL	Y	2.7	2.9	*4.0*	*4.0*
	S	0.7	1.0	*5.4*	*5.4*
	TOT	3.4	3.9	*9.4*	*9.4*
SPAIN	Y	12.8	12.6	*17.1*	*17.1*
	S	40.1	37.8	*61.6*	*61.6*
	TOT	52.9	50.4	*78.7*	*78.7*
SWEDEN	Y	0	0	*0*	*0*
	S	34.9	34.7	*45.0*	*45.0*
	TOT	34.9	34.7	*45.0*	*45.0*
SWITZERLAND	Y	1.8	1.5	*5.0*	*5.0*
TURKEY	Y	0.3	0.3	*0.5*	*0.5*
	S	5.0	5.0	*5.0*	*5.0*
	TOT	5.3	5.3	*5.5*	*5.5*
UNITED KINGDOM	Y	36.7	27.0	*36.0*	*36.0*
	S	109.3	102.4	*115.5*	*115.5*
	TOT	146.0	129.4	*151.5*	*151.5*
TOTAL WEST EUROPE	**Y**	**233.0**	**216.4**	***262.0***	***261.0***
	S	**511.3**	**489.4**	***613.5***	***604.3***
	TOT	**744.3**	**705.8**	***875.5***	***865.3***
EAST EUROPE					
BULGARIA	Y	3.3	3.3	*5.0*	*5.0*
	S	33.0	33.3	*42.0*	*42.0*
	TOT	36.3	36.6	*47.0*	*47.0*
CZECHOSLOVAKIA	Y	19.8	18.3	*25.0*	*25.0*
	S	34.9	36.0	*57.0*	*57.0*
	TOT	54.7	54.3	*82.0*	*82.0*
GERMAN DEM. REP.	Y	36.5	37.2	*38.5*	*38.5*
	S	132.0	128.0	*145.0*	*145.0*
	TOT	168.5	165.2	*183.5*	*183.5*
HUNGARY	S	9.0	7.5	*10.0*	*10.0*
POLAND	Y	25.4	19.5	*31.5*	*31.5*
	S	61.0	44.4	*71.5*	*71.5*
	TOT	86.4	63.9	*103.0*	*103.0*
ROMANIA	Y	9.5	9.6	*10.0*	*10.0*
	S	54.0	55.0	*55.0*	*170.0*
	TOT	63.5	64.6	*65.0*	*180.0*
U.S.S.R	Y	305.0	298.0	*340.0*	*340.0*
	S	345.0	345.5	*353.0*	*353.0*
	TOT	650.0	643.5	*693.0*	*693.0*
YUGOSLAVIA	Y	15.0	15.0	*17.0*	*17.0*
	S	58.0	58.0	*60.0*	*60.0*
	TOT	73.0	73.0	*77.0*	*77.0*
TOTAL EAST EUROPE	**Y**	**414.5**	**400.9**	***467.0***	***467.0***
	S	**726.9**	**707.7**	***793.5***	***908.5***
	TOT	**1141.4**	**1108.6**	***1260.5***	***1375.5***
U.S.A.	**Y**	**161.3**	**138.6**	***170.5***	***170.5***
	S	**204.3**	**210.7**	***233.1***	***233.1***
	TOT	**365.6**	**349.3**	***403.6***	***403.6***
OTHER AMERICAS					
ARGENTINA	Y	2.0	1.0	*10.0*	*10.0*
	S	1.5	0	*10.0*	*10.0*
	TOT	3.5	1.0	*20.0*	*20.0*
BRAZIL	Y	26.0	21.0	*25.2*	*25.2*
	S	25.3	25.3	*28.8*	*28.8*
	TOT	51.3	46.3	*54.0*	*54.0*
CANADA	Y	14.0	13.5	*14.5*	*14.5*
	S	30.0	28.2	*33.6*	*33.6*
	TOT	44.0	41.7	*48.1*	*48.1*
CHILE	Y	1.0	1.0	*2.0*	*2.0*
	S	3.0	3.0	*5.4*	*5.4*
	TOT	4.0	4.0	*7.4*	*7.4*
COLOMBIA	Y	2.4	1.8	*3.5*	*3.5*
	S	0	0	*0*	*0*
	TOT	2.4	1.8	*3.5*	*3.5*
CUBA	Y	2.2	2.2	*3.0*	*3.0*
	S	3.8	3.8	*5.0*	*5.0*
	TOT	6.0	6.0	*8.0*	*8.0*
MEXICO	Y	16.8	16.6	*21.8*	*21.8*
	S	11.0	11.3	*12.0*	*12.0*
	TOT	27.8	27.9	*33.8*	*33.8*
PERU	Y	1.5	1.3	*1.7*	*1.7*
URUGUAY	Y	1.3	1.0	*1.4*	*1.4*
VENEZUELA	Y	2.8	2.8	*3.6*	*3.6*
TOTAL OTHER AMERICAS	**Y**	**70.0**	**62.2**	***86.7***	***86.7***
	S	**74.6**	**71.6**	***94.8***	***94.8***
	TOT	**144.6**	**133.8**	***181.5***	***181.5***
JAPAN	**Y**	**119.3**	**118.7**	***136.0***	***136.0***
	S	**278.0**	**273.5**	***317.2***	***317.2***
	TOT	**397.3**	**392.2**	***453.2***	***453.2***
OTHER AFRICA, ASIA & OCEANIA					
AUSTRALIA	Y	0	0	*0*	*0*
BANGLADESH	Y	3.5	3.0	*5.4*	*5.4*
PEOPLE'S REPUBLIC OF CHINA	Y	75.0	80.0	*100.0*	*100.0*
	S	95.0	105.0	*130.0*	*130.0*
	TOT	170.0	185.0	*230.0*	*230.0*
EGYPT	Y	6.0	6.0	*7.0*	*7.0*
	S	4.0	4.0	*5.4*	*5.4*
	TOT	10.0	10.0	*12.4*	*12.4*
INDIA	Y	57.7	55.9	*66.5*	*66.5*
	S	74.7	94.5	*113.8*	*141.3*
	TOT	132.4	150.4	*180.3*	*207.8*
INDONESIA	S	0	0	*0*	*0*
IRAQ	Y	3.0	3.0	*3.5*	*3.5*
	S	5.5	5.5	*6.5*	*6.5*
	TOT	8.5	8.5	*10.0*	*10.0*
KOREA, REPUBLIC OF	Y	12.4	12.8	*13.7*	*13.7*
	S	15.0	13.9	*28.1*	*28.1*
	TOT	27.4	26.7	*41.8*	*41.8*
PAKISTAN	Y	2.7	2.4	*3.3*	*3.3*
TAIWAN	Y	3.0	3.0	*4.0*	*4.0*
	S	75.3	96.7	*88.0*	*88.0*
	TOT	78.3	99.7	*92.0*	*92.0*
THAILAND	S	16.4	16.4	*15.1*	*16.4*
TOTAL OTHER A, A & O	**Y**	**163.3**	**166.1**	***203.4***	***203.4***
	S	**285.9**	**336.0**	***386.9***	***415.7***
	TOT	**449.2**	**502.1**	***590.3***	***619.1***
WORLD TOTAL	**Y**	**1161.4**	**1102.9**	***1325.6***	***1324.6***
	S	**2081.0**	**2088.9**	***2439.0***	***2573.6***
	TOT	**3242.4**	**3191.8**	***3764.6***	***3898.2***

Y means yarn+monofilaments. **S** means staple+tow. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1982 (1982) and December 1983 (1983).

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided between rayon and acetate yarn, is given on page 141. Also note page 144 for data on production of acetate staple and cigarette tow.

RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY

THOUSAND METRIC TONS

COUNTRY		ACTUAL PROD.		PROD. CAPACITY	
		1980	1981	*1982*	*1983*
WEST EUROPE					
AUSTRIA	H	11	11	*12*	*12*
	R	4	4	*4*	*4*
BELGIUM NETHERLANDS	H	15	16	*19*	*19*
	R	16	16	*17*	*17*
	A	6	6	*8*	*8*
FRANCE	H	8	2	*0*	*0*
	R	9	9	*10*	*10*
	A	0	0	*0*	*0*
GERMANY, FED REP. OF	H	40	39	*43*	*43*
	R+C	24	25	*25*	*25*
	A	1	1	*1*	*0*
ITALY	H	11	11	*12*	*12*
	R+C	5	5	*18*	*18*
	A	21	19	*23*	*23*
SPAIN	H	6	6	*9*	*9*
	R	4	3	*5*	*5*
	A	3	3	*3*	*3*
SWEDEN	H	0	0	*0*	*0*
UNITED KINGDOM	H	1	0	*0*	*0*
	R	2	0	*0*	*0*
	A	34	27	*36*	*36*
OTHER[a]	R	12	13	*17*	*17*
TOTAL WEST EUROPE	**H**	**92**	**85**	***95***	***95***
	R+C	**76**	**75**	***96***	***96***
	A	**65**	**56**	***71***	***70***
EAST EUROPE					
BULGARIA	R	3	3	*5*	*5*
CZECHOSLOVAKIA	H	9	8	*11*	*11*
	R	11	10	*14*	*14*
GERMAN, DEM. REP.	H	14	14	*15*	*15*
	R	23	23	*24*	*24*
POLAND	H	7	5	*8*	*8*
	R	18	15	*23*	*23*
ROMANIA	H	6	6	*6*	*6*
	R	4	4	*4*	*4*
U.S.S.R.	H	165	163	*170*	*170*
	R+C	85	80	*100*	*100*
	A	55	55	*70*	*70*
YUGOSLAVIA	H	7	7	*8*	*8*
	R	8	8	*9*	*9*
TOTAL EAST EUROPE	**H**	**208**	**203**	***218***	***218***
	R+C	**152**	**143**	***179***	***179***
	A	**55**	**55**	***70***	***70***
U.S.A.	**H**	**14**	**15**	***19***	***19***
	R+C	**7**	**7**	***7***	***7***
	A	**140**	**117**	***145***	***145***
OTHER AMERICAS					
ARGENTINA	H	1	0	*2*	*2*
	R	1	+	*5*	*5*
	A	+	1	*3*	*3*
BRAZIL	H	6	4	*5*	*5*
	R	16	14	*16*	*16*
	A	4	3	*5*	*5*
CANADA	A	14	13	*14*	*14*
CHILE	R	1	1	*2*	*2*
COLOMBIA	R	0	0	*0*	*0*
	A	2	2	*3*	*3*
CUBA	H	2	2	*3*	*3*
	R	+	+	+	+
MEXICO	H	3	3	*5*	*5*
	R	6	6	*7*	*7*
	A	8	8	*10*	*10*
PERU	R	0	0	*0*	*0*
	A	2	1	*2*	*2*
URUGUAY	A	1	1	*1*	*1*
VENEZUELA	A	3	3	*4*	*4*
TOTAL OTHER AMERICAS	**H**	**12**	**9**	***15***	***15***
	R	**24**	**21**	***30***	***30***
	A	**34**	**32**	***42***	***42***
JAPAN	**H**	**3**	**4**	***10***	***10***
	R+C	**84**	**82**	***92***	***92***
	A	**32**	**33**	***34***	***34***
OTHER AFRICA, ASIA & OCEANIA					
AUSTRALIA	H	0	0	*0*	*0*
	A	0	0	*0*	*0*
INDIA	H	14	14	*20*	*20*
	R	42	40	*43*	*43*
	A	2	2	*3*	*3*
PAKISTAN	A	3	2	*3*	*3*
KOREA, REP. OF	R	10	11	*12*	*12*
	A	2	2	*2*	*2*
OTHER[b]	R	90	95	*120*	*120*
TOTAL OTHER A, A & O	**H**	**14**	**14**	***20***	***20***
	R	**142**	**146**	***175***	***175***
	A	**7**	**6**	***8***	***8***
WORLD TOTAL	**H**	**343**	**330**	***377***	***377***
	R+C	**485**	**474**	***579***	***579***
	A	**333**	**299**	***370***	***369***

H means high tenacity (tire & industrial type) viscose rayon yarn. **R** means regular+intermediate tenacity viscose rayon yarn. **C** means cuprammonium rayon yarn. **A** means acetate+triacetate yarn.

a. "Other West Europe" comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. "Other Africa, Asia & Oceania" comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

RAYON+ACETATE CAPACITY UTILIZATION

Although only the non-cellulosic fibers are covered in a capacity utilization table, the following discussion is provided in the hope that it will prove of interest.

For the year of 1981, the world capacity utilization rate for rayon+acetate yarn+monofilaments and staple+tow, which is tabulated with 1981 production and March 1982 capacity data, was 84.8%. The two components of the total rate of utilization were as follows: yarn+monofilaments, 83.2%, and staple+tow, 85.6%.

Recording the highest rate of total rayon+acetate capacity utilization in the world, East Europe posted 87.9% for 1981. Yarn+monofilaments was at 85.8% and staple+tow at 89.2%.

The United States and Japan had equal total rates of utilization for 1981: both were at 86.5%. However, an examination of the yarn+monofilament and staple+tow components reveals that Japan had a higher rate for yarn+monofilaments, 87.3% as opposed to 81.3% for the U.S., but that the U.S. recorded a higher rate for staple+tow for 1981, 90.4% compared with 86.2% for Japan.

The next highest rate of utilization in the world was established by the nations of Other Africa, Asia and Oceania, at 85.1% for 1981. Yarn+monofilaments had a utilization rate of 81.7%, as compared with staple+tow, which had a rate of 86.8% for 1981.

The lowest rate of utilization for rayon+acetate was exhibited by the countries categorized under the label of "Other Americas" with a rate of 73.7% for 1981. The utilization rate for yarn+monofilaments and staple+tow were, respectively, 71.7% and 75.5%.

WORLD NON-CELLULOSIC FIBER PRODUCTION BY FIBER EXCEPT OLEFIN

THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION						PRODUCING CAPACITY					
	1980			1981			1982			1983		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC												
WEST EUROPE	+	729	729	+	798	798	+	1027	1027	+	1028	1028
EAST EUROPE	0	216	216	0	215	215	0	265	265	0	265	265
U.S.A.	0	354	354	0	313	313	0	382	382	0	388	388
OTHER AMERICAS	0	111	111	0	104	104	0	166	166	0	173	173
JAPAN	3	350	353	2	348	350	6	389	395	6	389	395
ALL OTHER	0	304	304	0	319	319	0	381	381	0	397	397
TOTAL	**3**	**2064**	**2067**	**2**	**2097**	**2099**	**6**	**2610**	**2616**	**6**	**2640**	**2646**
NYLON+ARAMID												
WEST EUROPE	522	152	674	528	132	660	687	210	897	689	211	900
EAST EUROPE	461	55	516	453	70	523	593	86	679	625	86	711
U.S.A.	740	330	1070	717	341	1058	894	448	1342	922	478	1400
OTHER AMERICAS	209	23	232	183	20	203	290	36	326	293	36	329
JAPAN	300	18	318	282	19	301	317	24	341	317	24	341
ALL OTHER	364	2	366	384	3	387	495	10	505	578	10	588
TOTAL	**2596**	**580**	**3176**	**2547**	**585**	**3132**	**3276**	**814**	**4090**	**3424**	**845**	**4269**
POLYESTER												
WEST EUROPE	354	396	750	363	444	807	497	638	1135	463	643	1106
EAST EUROPE	131	320	451	122	307	429	186	517	703	203	517	720
U.S.A.	663	1146	1809	712	1182	1894	727	1277	2004	733	1305	2038
OTHER AMERICAS	216	169	385	201	165	366	323	235	558	359	242	601
JAPAN	305	320	625	310	321	631	391	341	732	391	341	732
ALL OTHER	432	651	1083	508	722	1230	739	919	1658	796	972	1768
TOTAL	**2101**	**3002**	**5103**	**2216**	**3141**	**5357**	**2863**	**3927**	**6790**	**2945**	**4020**	**6965**
OTHER FIBERS[a] EXCEPT OLEFIN												
WEST EUROPE	4	11	15	5	8	13	6	12	18	6	12	18
EAST EUROPE	7	7	14	7	6	13	12	9	21	12	10	22
U.S.A.	9	+	9	10	1	11	13	1	14	14	1	15
OTHER AMERICAS	1	0	1	1	0	1	2	0	2	1	0	1
JAPAN	18	43	61	13	34	47	28	103	131	28	103	131
ALL OTHER	6	40	46	7	50	57	15	60	75	15	60	75
TOTAL	**45**	**101**	**146**	**43**	**99**	**142**	**76**	**185**	**261**	**76**	**186**	**262**
TOTAL FIBERS ABOVE												
WEST EUROPE	880	1288	2168	896	1382	2278	1190	1887	3077	1158	1894	3052
EAST EUROPE	599	598	1197	582	598	1180	791	877	1668	840	878	1718
U.S.A.	1412	1830	3242	1439	1837	3276	1634	2108	3742	1669	2172	3841
OTHER AMERICAS	426	303	729	385	289	674	615	437	1052	653	451	1104
JAPAN	626	731	1357	607	722	1329	742	857	1599	742	857	1599
ALL OTHER	802	997	1799	899	1094	1993	1249	1370	2619	1389	1439	2828
WORLD TOTAL	**4745**	**5747**	**10492**	**4808**	**5922**	**10730**	**6221**	**7536**	**13757**	**6451**	**7691**	**14142**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 108-109.

a. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon.

1981 CHANGES IN PRODUCTION & CAPACITY UTILIZATION OF NON-CELLULOSIC FIBERS (EXCEPT OLEFIN)

FIBER & AREA	1981 PRODUCTION %[b]			CAPACITY UTILIZATION %[c]		
	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC						
WEST EUROPE	--	+9.5	+9.5	--	77.7	77.7
EAST EUROPE	--	-0.5	-0.5	--	81.1	81.1
U.S.A.	--	-11.6	-11.6	--	81.9	81.9
OTHER AMERICAS	--	-6.3	-6.3	--	62.6	62.6
JAPAN	-33.3	-0.6	-0.9	33.3	89.5	88.6
ALL OTHER	--	+4.9	+4.9	--	83.7	83.7
TOTAL	**-33.3**	**+1.6**	**+1.5**	**33.3**	**80.4**	**80.2**
NYLON+ARAMID						
WEST EUROPE	+1.2	-13.1	-2.1	76.9	62.9	73.6
EAST EUROPE	-1.7	+21.4	+1.3	76.4	81.4	77.0
U.S.A.	-3.1	+3.3	-1.1	80.2	76.1	78.8
OTHER AMERICAS	-12.4	-13.0	-12.5	63.1	55.6	62.3
JAPAN	-6.0	+5.5	-5.3	89.0	79.2	88.3
ALL OTHER	+5.5	+50.0	+5.7	77.6	30.0	76.6
TOTAL	**-1.9**	**+0.9**	**-1.4**	**77.7**	**71.9**	**76.6**
POLYESTER						
WEST EUROPE	+2.5	+12.1	+7.6	73.0	69.6	71.1
EAST EUROPE	-6.9	-4.1	-4.9	65.6	59.4	61.0
U.S.A.	+7.4	+3.1	+4.7	97.9	92.6	94.5
OTHER AMERICAS	-6.9	-2.4	-4.9	62.2	70.2	65.6
JAPAN	+1.6	+0.3	+1.0	79.3	94.1	86.2
ALL OTHER	+17.6	+10.9	+13.6	68.7	78.6	74.2
TOTAL	**+5.5**	**+4.6**	**+5.0**	**77.4**	**80.0**	**78.9**
OTHER FIBERS[a] EXCEPT OLEFIN						
WEST EUROPE	+25.0	-27.3	-13.3	62.5	66.7	72.2
EAST EUROPE	--	-14.3	-7.1	58.3	66.7	61.9
U.S.A.	+11.1	--	+22.2	76.9	--	78.6
OTHER AMERICAS	--	--	--	50.0	--	50.0
JAPAN	-27.8	-20.9	-22.9	46.4	33.0	35.9
ALL OTHER	+16.7	+25.0	+23.9	46.7	83.3	76.0
TOTAL	**-4.4**	**-2.0**	**-2.7**	**56.6**	**53.5**	**54.4**
TOTAL FIBERS ABOVE						
WEST EUROPE	+1.8	+7.3	+5.1	75.3	73.2	74.0
EAST EUROPE	-2.8	--	-1.4	73.6	68.2	70.7
U.S.A.	+1.9	+0.4	+1.0	88.1	87.1	87.5
OTHER AMERICAS	-9.6	-4.6	-7.5	62.6	66.1	64.1
JAPAN	-3.0	-1.2	-2.1	81.8	84.2	83.1
ALL OTHER	+12.1	+9.7	+10.8	72.0	80.0	76.1
WORLD TOTAL	**+1.3**	**+3.0**	**+2.3**	**77.3**	**78.6**	**78.0**

All percentages based on data from table opposite.

Y means yarn+monofilament. **S** means staple+tow+fiberfill. – means no change.

a. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE fluorocarbon, vinal and vinyon.

b. Percent change in production from 1980 to 1981.

c. Based on 1981 production and March 1982 (1982) capacity data.

(Continued from page 138)

rate was 88.1%, and for staple+tow the rate was 87.1%.

Japan registered a utilization rate for yarn+monofilaments of 81.8% and for staple+tow of 84.2% for 1981. Japan's capacity rate for all fibers totaled 83.1%.

The nations under the category of "All Other," i.e., Other Africa, Asia and Oceania, posted a total utilization rate of 76.1% for 1981. Yarn+monofilament utilization was at 72%, while staple+tow was at 80.0%.

West Europe's rate of utilization was 74.0% for all fibers. Yarn+monofilaments had a capacity rate of 75.3% and staple+tow posted a rate of 73.2% for 1981.

With a capacity utilization rate of 70.7% for all fibers, East Europe had a yarn+monofilament rate of 73.6% and of 68.2% for staple+tow for 1981.

Other Americas had the lowest capacity utilization rate for all products, with yarn+monofilaments at 62.6% of capacity and staple+tow at 66.1% for 1981. The total Other Americas fiber capacity utilization totaled 64.1%.

JUNE ORGANON CORRECTION

Argentina. On page 114, the companies Fibras Industriales S.A.C.e I. and Petroquimica Sudamericana S.A. should be delisted, thus reducing the world total of nylon plants by two and of polyester plants by one.

WORLD OLEFIN FIBER PRODUCTION

THOUSAND METRIC TONS

COUNTRY	1975	1976	1977	1978	1979	1980	1981
WEST EUROPE							
BENELUX	22	34	41	49	56	57	66
DENMARK	8	7	12	14	15	14	14
FRANCE	25	35	26	30	24	27	28
GERMANY, FED. REP. OF	36	46	51	52	57	53	[illegible]
IRELAND (EIRE)	4	6	6	5	6	9	9
ITALY	52	55	53	59	61	57	62
UNITED KINGDOM	61	71	79	80	82	80	81
SUBTOTAL EEC	**208**	**254**	**268**	**289**	**301**	**297**	**316**
AUSTRIA	12	15	15	18	19	18	18
FINLAND	2	3	3	3	3	3	3
GREECE/CYPRUS	4	6	8	9	10	9	9
NORWAY	4	4	3	3	4	4	4
PORTUGAL	20	22	27	39	38	40	38
SPAIN	14	21	35	36	37	38	38
SWEDEN	2	3	3	3	3	3	3
SWITZERLAND	3	3	3	3	3	3	3
TURKEY	5	5	5	6	5	5	5
TOTAL WEST EUROPE	**274**	**336**	**370**	**409**	**423**	**420**	**437**
EAST EUROPE							
CZECHOSLOVAKIA	10	11	12	11	12	11	11
HUNGARY	6	6	8	10	13	15	16
POLAND	6	11	13	14	13	14	15
U.S.S.R.	3	8	12	12	15	15	15
U.S.A.							
YARN+MONOFIL	119	134	138	143	151	147	145
STAPLE	24	27	36	43	54	51	59
FILM FIBER	82	100	113	128	139	140	148
OTHER AMERICAS							
ARGENTINA	6	9	10	11	11	10	10
BRAZIL	20	27	33	40	39	40	40
CANADA	33	30	32	31	32	30	30
CHILE	0	0	0	1	1	1	1
EL SALVADOR							
GUATEMALA	1	1	2	2	2	2	2
HONDURAS							
MEXICO	5	7	17	18	20	22	23
NICARAGUA	+	1	1	1	1	1	1
PERU	3	4	5	5	5	5	6
URUGUAY	2	2	2	1	1	1	2
JAPAN							
YARN+MONOFIL	11	14	15	16	18	16	14
STAPLE	30	28	25	27	29	27	26
FILM FIBER	40	44	45	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	15	16	17	18	20	20	20
KOREA, REP. OF	5	5	6	7	8	4	3
PHILIPPINES	+	+	1	2	2	2	2
SOUTH AFRICA	10	10	9	3	3	3	3
TAIWAN	6	6	21	26	25	25	25
OTHER	0	0	+	+	+	+	+

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 137.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

WORLD ACETATE STAPLE PRODUCTION & CAPACITY

THOUSAND METRIC TONS

	PRODUCTION							CAPACITY	
COUNTRY	1975	1976	1977	1978	1979	1980	1981	*1982*	*1983*
U.K.	1.2	0.8	0.7	0.5	0.5	0.3	0.2	*0.5*	*0.5*
U.S.A.	5.5	5.0	3.6	3.2	3.2	3.2	1.8	*3.6*	*3.6*
CANADA	1.6	1.2	1.7	0.6	0	0	0	*0*	*0*
INDIA	0.3	0.4	0.2	0.4	0.4	0.1	0.3	*0.8*	*0.8*
WORLD TOTAL	**8.6**	**7.4**	**6.2**	**4.7**	**4.1**	**3.6**	**2.3**	***4.9***	***4.9***

ESTIMATED WORLD CIGARETTE TOW PRODUCTION

THOUSAND METRIC TONS

AREA	1975	1976	1977	1978	1979	1980	1981
EUROPE[a]	49	59	67	76	74	74	81
U.S.A.	130	137	146	150	166	185	190
OTHER AMER.[b]	26	27	27	30	33	35	36
ASIA[c]	36	37	39	40	41	41	42
WORLD TOTAL	**241**	**260**	**279**	**296**	**314**	**335**	**349**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.
b. Brazil, Canada, Colombia, Mexico & Venezuela.
c. Japan and Rep. of Korea.

WORLD TEXTILE GLASS FIBER PRODUCTION & PRODUCING CAPACITY

THOUSAND METRIC TONS

	PRODUCTION							CAPACITY	
COUNTRY	1975	1976	1977	1978	1979	1980	1981	*1982*	*1983*
WEST EUROPE	175	224	292	304	310	300	277	*340*	*340*
EAST EUROPE[a]								*50*	*50*
U.S.A.	248	307	357	419	460	393	472	*769*	*818*
OTHER AMERICAS	21	26	26	27	28	30	31	*40*	*40*
JAPAN	65	105	127	146	178	167	174	*193*	*228*
OTHER A.A. & O.[b]	6	12	13	12	12	13	14	*27*	*29*
TOTAL ABOVE	**515**	**674**	**815**	**908**	**988**	**903**	**968**	***1419***	***1505***
CHINA P.R.C.	DATA ARE NOT AVAILABLE							*50*	*50*
U.S.S.R.								*100*	*100*

Textile glass fiber is defined on page 114 of the June issue. The textile glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1982 (1982) and December 1983 (1983).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

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Textile Organon

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MONTHLY REVIEW

Highlights

U.S. Estimated Mill Consumption of Man Made Fibers off 1½% in May . . . see page 157.

World Man-Made Fiber Survey in Millions of Pounds . . . begins page 147.

1981 World Production of Man-Made Fibers Totals 30,692 Million Pounds . . . see page 147.

West European Production of Nylon and Polyester Yarn Up for 1981 . . . see page 147.

Raymond Savadge Named T.E.B. President . . . see page 146.

Shipments of nylon yarn+monofilaments to the carpet trades fell for the first time this year, though shipments of nylon industrial yarn rose in June.

Polyester textile yarn+monofilament shipments continued to decline, with June registering a 4-month low, but shipments of polyester industrial yarn reversed a 2-month slide.

Olefin yarn+monofilament shipments hit their highest level yet this year.

Acrylic+modacrylic staple+tow shipments rose for the third straight month, although shipments of nylon staple+tow fell for the first time since last November and polyester staple+tow shipments recorded the lowest monthly level since July of 1977.

ITEM	1982		%a	1981	%b	YEAR TO DATE		%c
	MAY	JUNE		JUNE		1982	1981	
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**16.5**	**17.4**	+5.5	**25.2**	-31.0	**107.0**	**142.7**	-25.0
NYLON INDUSTRIAL	26.7	28.3	+6.0	34.3	-17.5	172.7	208.6	-17.2
LOW DENIER INDUSTRIAL	2.2	2.7	+22.7	3.3	-18.2	14.9	18.2	-18.1
CARPET	51.2	48.3	-5.7	61.3	-21.2	275.2	396.2	-30.5
TEXTILE	26.6	26.7	+0.4	37.3	-28.4	166.1	219.4	-24.3
POLYESTER INDUSTRIAL	22.9	27.4	+19.7	25.0	+9.6	151.4	153.3	-1.2
LOW DENIER INDUSTRIAL	1.9	2.1	+10.5	2.5	-16.0	11.5	14.8	-22.3
TEXTILE	79.3	78.3	-1.3	108.6	-27.9	497.5	640.7	-22.4
OLEFIN	48.5	52.0	+7.2	52.0	-	300.9	333.5	-9.8
TOTAL NONCELLULOSIC ABOVE	**259.3**	**265.8**	+2.5	**324.3**	-18.0	**1590.2**	**1984.7**	-19.9
STAPLE+TOW+FIBERFILL								
RAYON	**27.7**	**29.9**	+7.9	**37.5**	-20.3	**177.6**	**233.9**	-24.1
NYLON	61.0	58.1	-4.8	69.2	-16.0	321.0	436.1	-26.4
ACRYLIC+MODACRYLIC	57.5	59.2	+3.0	60.1	-1.5	323.9	372.6	-13.1
POLYESTER	156.6	155.3	-0.8	211.9	-26.7	997.3	1296.3	-23.1
OLEFIN+VINYON	14.9	14.8	-0.7	11.7	+26.5	70.4	68.1	+3.4
TOTAL NONCELLULOSIC ABOVE	**290.0**	**287.4**	-1.0	**352.9**	-18.6	**1712.6**	**2173.1**	-21.8

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
Also see footnotes on last page of this issue.

SAVADGE NAMED T.E.B. PRESIDENT

Raymond S. Savadge has been named president of the Textile Economics Bureau, Inc., publishers of the ***Textile Organon***, the ***Man-Made Fiber Producers' Handbook*** and the ***Man-Made Fiber Review***. He comes to T.E.B. from ITT Rayonier where he served as director of market research and business economics since 1978. His duties there included in-depth domestic and international market research studies, market forecasting and monitoring worldwide economic conditions to develop strategies capitalizing on present and future business opportunities.

He was affiliated with the International Paper Company from 1968 to 1978, serving as manager of market research and development. He holds a bachelor's degree in finance from Pennsylvania State University and a master's degree in marketing from Bernard M. Baruch College.

WORLD DATA IN MILLIONS OF POUNDS

The tables on pages 147-156 of this issue present the 1981 world man-made fiber production and producing capacity survey in millions of pounds. The included tables state the world data as converted to millions of pounds from thousand metric tons as found in the tables of the June ***Organon***, pages 105 and 107-113, and the tables of the June Supplementary Issue, pages 137, 139-142 and 144.

NEW FRONT PAGE FORMAT

Beginning with this issue, the front page of the ***Textile Organon*** will present percent changes in U.S. monthly total shipment data in the form of a table. This new table, a composite of what had formerly been several pages worth of text, is found on the lower half of the front page and compares current monthly total shipment data not only with those of the previous month, but with those of the same month of last year as well. Year-to-date data are also supplied, including the current month as compared with the corresponding year-to-date data from the previous year.

In addition, a brief text synopsis about shipments is provided in the upper right-hand corner of the front page and presents the trends of the U.S. man-made fiber shipment markets in a concise and easily digestible manner, summarizing the current monthly data and placing them in the context of recent months and/or years.

The section at the upper left-hand corner of the front page, another new addition, is entitled "Highlights" and outlines many of the important items carried in the current issue of the ***Organon*** and directs the reader to the appropriate pages within the issue.

(Continued on page 150)

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Textile Organon

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TEXTILE, CARPET & INDUSTRIAL YARN

Following is a breakdown of West European production of nylon and polyester yarn for 1979, 1980 and 1981 (million pounds):

	NYLON			POLYESTER		
	1979	1980	1981	1979	1980	1981
Textile	721	655	641	752	637	657
Carpet	313	293	320			
Industrial	225	203	203	145	143	143
TOTAL	**1259**	**1151**	**1164**	**897**	**780**	**800**

Comparative U.S. data for the three years are as follows (million pounds):

	NYLON			POLYESTER		
	1979	1980	1981	1979	1980	1981
Textile	527	466	461	1343	1175	1200
Carpet	755	728	709			
Industrial	499	437	410	373	286	310
TOTAL	**1781**	**1631**	**1580**	**1716**	**1461**	**1570**

IMPORTS, EXPORTS & BALANCE

The by-country production, import, export and net available or retained supply of four categories of man-made fiber are tabulated on page 155 covering calendar 1980 only.

In the page 155 table, "yarn" includes tire cord and tire cord fabric, filament yarn and monofilaments. Staple includes tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

In a few cases where a country's import or export data could not be accurately separated as rayon+acetate versus non-cellulosic, a division was estimated.

Except for spun yarn, imports and exports of manufactured and semimanufactured man-made fiber products (e.g., fabric, dresses, hosiery, etc.) are not included in the data.

The table presents the net import-export tonnage of spun yarn under the "Total Man-Made Fiber" columns; space does not permit the presentation of import and export data separately.

WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

MILLION POUNDS & *Percent*

TYPE OF FIBER	1975	1976	1977	1978	1979	1980	1981
RAYON+ACETATE FIBERS (from page 152)							
YARN+MONOFILAMENTS	2,503	2,619	2,584	[illegible]572	2,593	2,560	2,432
STAPLE+TOW	4,020	4,457	4,649	[illegible]42	4,837	4,588	4,605
TOTAL RAYON+ACETATE	**6,523**	**7,076**	**7,233**	**7,[illegible]14**	**7,430**	**7,148**	**7,037**
NON-CELLULOSIC FIBERS except Olefin (from page 150)							
YARN+MONOFILAMENTS	8,296	9,101	9,508	10,148	10,799	10,461	10,599
STAPLE+TOW	7,914	9,862	10,663	11,973	12,588	12,670	13,056
TOTAL NON-CELL. ABOVE	**16,210**	**18,963**	**20,171**	**22,121**	**23,387**	**23,131**	**23,655**
TOTAL MAN-MADE ABOVE	**22,733**	**26,039**	**27,404**	**29,435**	**30,817**	**30,279**	**30,692**
% of World Total	*44*	*46*	*45*	*48*	*47*	*46*	*45*
NATURAL FIBERS							
RAW COTTON	25,919	27,513	30,690	28,600	31,460	31,451	33,922
RAW WOOL	3,391	3,278	3,280	3,369	3,468	3,486	3,547
RAW SILK	104	106	108	112	121	123	126
TOTAL NATURAL ABOVE	**29,414**	**30,897**	**34,078**	**32,081**	**35,049**	**35,060**	**37,595**
% of World Total	*56*	*54*	*55*	*52*	*53*	*54*	*55*
WORLD TOTAL ABOVE	**52,147**	**56,936**	**61,482**	**61,516**	**65,866**	**65,339**	**68,287**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS· Data are from pages 150 and 152, as noted. Textile glass fiber and olefin production on page 154 are not included.

COTTON: International Cotton Advisory Committee. Also see October 1981 ***Organon***.

WOOL: Commonwealth Secretariat. The data are on a scoured basis. Also see the December 1981 ***Organon*** issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

WORLD NON-CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN)

MILLION POUNDS

	WEST EUROPE															
	AUSTRIA	BENELUX[a]			IRELAND (EIRE)			FINLAND	FRANCE			FED. REP. OF GERMANY			GREECE		
YEAR	S	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	36.8	169.1	101.9	271.0	13.2	13.2	26.4	2.4	188.5	262.3	450.8	709.2	669.3	1378.5	11.9	0	11.9
1976	60.4	186.3	136.2	322.5	13.9	19.8	33.7	1.8	231.7	316.8	548.5	813.5	860.7	1674.2	18.3	11.0	29.3
1977	57.1	187.6	119.5	307.1	5.3	27.6	32.9	0.9	221.1	316.6	537.7	716.5	805.1	1521.6	17.0	16.5	33.5
1978	67.0	208.8	105.8	314.6	18.3	57.3	75.6	1.1	202.2	341.1	543.3	718.7	889.3	1608.0	18.7	17.4	36.1
1979	64.6	209.9	89.1	299.0	23.8	70.5	94.3	0.9	173.5	320.3	493.8	745.2	929.2	1674.4	20.3	20.9	41.2
1980	56.0	158.5	71.4	229.9	22.0	69.9	91.9	0.9	144.0	279.3	423.3	700.4	887.1	1587.5	19.8	22.0	41.8
1981	52.9	177.2	55.8	233.0	16.5	69.0	85.5	1.3	146.4	297.2	443.6	707.0	951.3	1658.3	19.8	22.9	42.7
PRODUCING CAPACITY																	
1982	*46.3*	*243.4*	*66.8*	*310.2*	*15.4*	*86.0*	*101.4*	*1.3*	*238.1*	*357.1*	*595.2*	*842.1*	*1104.5*	*1946.6*	*34.6*	*26.4*	*61.0*
1983	*46.3*	*173.3*	*77.8*	*251.1*	*15.4*	*86.0*	*101.4*	*1.3*	*238.1*	*359.3*	*597.4*	*842.1*	*1104.5*	*1946.6*	*34.6*	*26.4*	*61.0*

	WEST EUROPE *(Continued)*															
	ITALY/MALTA			PORTUGAL			SPAIN			SWEDEN	SWITZERLAND			TURKEY		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT
1975	253.5	356.9	610.4	3.1	12.6	15.7	100.3	162.5	262.8	2.0	98.8	45.6	144.4	41.7	62.4	104.1
1976	288.1	542.1	830.2	3.7	22.3	26.0	119.3	208.1	327.4	2.2	108.9	60.2	169.1	40.8	97.4	138.2
1977	261.0	466.7	727.7	3.3	36.6	39.9	121.5	230.6	352.1	0.2	108.0	63.3	171.3	33.1	144.4	177.5
1978	259.9	521.4	781.3	3.5	57.5	61.0	134.0	284.6	418.6	0.2	109.8	73.6	183.4	48.7	133.6	182.3
1979	279.1	515.0	794.1	3.7	64.4	68.1	158.1	311.7	469.8	0.2	108.2	66.1	174.3	66.1	169.8	235.9
1980	275.3	506.8	782.1	3.1	70.8	73.9	143.1	314.1	457.2	0.2	133.8	52.2	186.0	61.7	154.3	216.0
1981	329.8	631.2	961.0	3.1	75.0	78.1	159.4	372.4	531.8	0.2	135.8	48.5	184.3	58.4	143.3	201.7
PRODUCING CAPACITY																
1982	*451.3*	*985.5*	*1436.8*	*3.3*	*90.4*	*93.7*	*227.9*	*448.6*	*676.5*	*0.4*	*170.9*	*75.0*	*245.9*	*145.5*	*318.6*	*464.1*
1983	*451.3*	*985.5*	*1436.8*	*3.3*	*90.4*	*93.7*	*229.1*	*450.8*	*679.9*	*0.4*	*173.1*	*75.0*	*248.1*	*160.0*	*320.8*	*480.8*

	W. EUROPE *(Cont.)*			EAST EUROPE											
	UNITED KINGDOM			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUNGARY		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	405.6	390.4	796.0	23.6	68.3	91.9	97.7	41.7	139.4	108.0	138.4	246.4	6.2	17.6	23.8
1976	441.1	472.0	913.1	28.7	63.7	92.4	108.0	43.2	151.2	112.4	146.8	259.2	7.1	17.6	24.7
1977	389.6	401.5	791.1	27.6	69.4	97.0	101.4	50.7	152.1	116.8	156.5	273.3	7.1	28.9	36.0
1978	398.8	497.1	895.9	28.7	72.8	101.5	108.0	55.1	163.1	117.9	163.1	281.0	7.3	34.0	41.3
1979	377.9	462.3	840.2	28.7	77.2	105.9	110.2	48.5	158.7	120.4	171.7	292.1	7.1	32.6	39.7
1980	277.6	356.5	634.1	28.2	81.6	109.8	119.0	49.4	168.4	125.7	180.8	306.5	12.8	30.4	43.2
1981	219.1	329.4	548.5	27.5	86.0	113.5	122.4	55.3	177.7	128.2	185.2	313.4	15.4	31.5	46.9
PRODUCING CAPACITY															
1982	*251.3*	*553.3*	*804.6*	*29.8*	*136.7*	*166.5*	*130.1*	*116.8*	*246.9*	*160.9*	*227.1*	*388.0*	*13.2*	*38.5*	*51.7*
1983	*231.5*	*553.3*	*784.8*	*29.8*	*136.7*	*166.5*	*130.1*	*116.8*	*246.9*	*160.9*	*227.1*	*388.0*	*13.2*	*38.5*	*51.7*

	EAST EUROPE *(Continued)*														
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EUROPE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	117.7	143.3	261.0	37.5	149.0	186.5	504.9	293.2	798.1	11.9	31.7	43.6	**2906.8**	**2997.1**	**5903.9**
1976	153.7	151.0	304.7	61.7	189.6	251.3	573.2	308.6	881.8	20.5	34.2	54.7	**3334.9**	**3761.7**	**7096.6**
1977	179.0	144.4	323.4	63.9	209.4	273.3	584.2	421.1	1005.3	16.1	44.8	60.9	**3161.2**	**3810.7**	**6971.9**
1978	187.8	147.5	335.3	66.1	220.5	286.6	606.3	440.9	1047.2	37.5	61.7	99.2	**3282.3**	**4241.3**	**7523.6**
1979	192.7	145.3	338.0	77.2	231.5	308.7	601.9	447.5	1049.4	46.3	77.2	123.5	**3351.4**	**4315.4**	**7666.8**
1980	208.3	151.0	359.3	72.7	227.2	299.9	703.4	509.3	1212.7	50.8	88.2	139.0	**3261.3**	**4158.3**	**7419.6**
1981	173.6	86.4	260.0	75.1	229.3	304.4	688.9	553.3	1242.2	52.9	90.3	143.2	**3258.0**	**4366.2**	**7624.2**
PRODUCING CAPACITY															
1982	*246.9*	*176.5*	*423.4*	*88.3*	*317.5*	*405.8*	*978.9*	*769.4*	*1748.3*	*94.8*	*152.1*	*246.9*	*4368.4*	*6093.1*	*10461.5*
1983	*269.0*	*176.5*	*445.5*	*103.6*	*317.5*	*421.1*	*1049.4*	*769.4*	*1818.8*	*94.8*	*152.1*	*246.9*	*4404.3*	*6110.7*	*10515.0*

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1982 (1982) and December 1983 (1983).

These totals do not contain data for the fibers produced in North Korea.

a Benelux includes Belgium, Netherlands and Luxembourg.

WORLD NON-CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

MILLION POUNDS

	U.S.A.			OTHER AMERICAS ARGENTINA			BRAZIL			CANADA			CHILE			COSTA RICA
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**
1975	**2766.0**	**2624.8**	**5390.8**	58.0	43.7	101.7	176.6	100.3	276.9	141.8	69.4	211.2	7.5	4.2	11.7	0
1976	**2790.7**	**3262.6**	**6053.3**	51.1	37.0	88.1	213.0	133.8	346.8	140.7	72.3	213.0	8.8	6.6	15.4	*
1977	**3120.0**	**3575.8**	**6695.8**	53.8	34.8	88.6	210.8	141.5	352.3	152.8	95.9	248.7	8.8	4.9	13.7	*
1978	**3233.7**	**3860.6**	**7094.3**	48.9	37.5	86.4	233.0	164.2	397.2	159.2	112.2	271.4	9.7	3.3	13.0	4.4
1979	**3515.2**	**4165.2**	**7680.4**	65.3	49.8	115.1	270.1	201.5	471.6	161.2	106.9	268.1	11.0	5.3	16.3	4.4
1980	**3112.0**	**4035.5**	**7147.5**	47.1	28.4	75.5	300.8	209.4	510.2	163.1	105.8	268.9	11.0	5.5	16.5	6.6
1981	**3172.0**	**4049.2**	**7221.2**	35.3	18.3	53.6	253.5	191.4	444.9	145.3	96.8	242.1	11.0	5.5	16.5	6.6
PRODUCING CAPACITY																
1982	*3602.1*	*4648.0*	*8250.1*	*99.2*	*70.5*	*169.7*	*323.0*	*239.9*	*562.9*	*262.3*	*121.7*	*384.0*	*23.1*	*9.3*	*32.4*	*14.3*
1983	*3679.3*	*4787.9*	*8467.2*	*99.2*	*81.6*	*180.8*	*323.0*	*239.9*	*562.9*	*262.3*	*121.7*	*384.0*	*23.1*	*9.3*	*32.4*	*14.3*

	OTHER AMERICAS *(Continued)* COLOMBIA			ECUADOR	GUATEMALA	MEXICO			PERU			URUGUAY			VENEZUELA		
YEAR	**Y**	**S**	**TOT**	**Y**	**Y**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1975	45.2	15.0	60.2	0.7	0	237.4	104.3	341.7	12.3	30.0	42.3	2.2	0	2.2	22.7	11.2	33.9
1976	61.1	13.7	74.8	4.0	0	231.3	127.2	358.5	8.4	43.7	52.1	2.4	0	2.4	25.4	11.7	37.1
1977	72.1	13.4	85.5	5.1	0	265.4	144.6	410.0	12.3	42.3	54.6	2.4	*	2.4	25.8	12.6	38.4
1978	73.2	17.2	90.4	5.5	0	272.0	167.3	439.3	12.3	45.2	57.5	2.4	*	2.4	25.4	12.1	37.5
1979	63.3	17.6	80.9	7.5	*	300.0	205.0	505.0	15.4	46.3	61.7	2.4	5.3	7.7	25.8	13.4	39.2
1980	50.7	24.0	74.7	7.7	0	302.0	225.8	527.8	23.1	49.6	72.7	2.4	5.8	8.2	25.3	13.2	38.5
1981	44.5	24.7	69.2	7.7	0	295.6	237.2	532.8	22.3	46.5	68.8	2.0	4.6	6.6	24.7	13.2	37.9
PRODUCING CAPACITY																	
1982	*94.1*	*30.9*	*125.0*	*10.6*	*4.4*	*463.1*	*415.6*	*878.7*	*25.2*	*53.9*	*79.1*	*2.4*	*7.5*	*9.9*	*33.9*	*15.2*	*49.1*
1983	*126.8*	*30.9*	*157.7*	*10.6*	*4.4*	*507.2*	*415.6*	*922.8*	*33.1*	*73.7*	*106.8*	*2.4*	*7.5*	*9.9*	*33.9*	*15.2*	*49.1*

	TOTAL OTHER AMERICAS			JAPAN			OTHER AFRICA, ASIA & OCEANIA AUSTRALIA/N.Z.			BANGLADESH	PEOPLE'S REPUBLIC OF CHINA		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**
1975	**704.4**	**378.1**	**1082.5**	**1058.2**	**1192.5**	**2250.7**	43.0	2.6	45.6	0.9	28.9	71.9	100.8
1976	**746.2**	**446.0**	**1192.2**	**1220.7**	**1433.9**	**2654.6**	44.1	2.2	46.3	0.9	33.1	81.6	114.7
1977	**809.3**	**490.0**	**1299.3**	**1301.2**	**1521.6**	**2822.8**	38.6	2.6	41.2	0.7	39.7	92.6	132.3
1978	**846.0**	**559.0**	**1405.0**	**1386.7**	**1646.8**	**3033.5**	39.9	2.4	42.3	1.1	66.1	235.0	301.1
1979	**926.4**	**651.1**	**1577.5**	**1391.5**	**1613.5**	**3005.0**	36.2	1.1	37.3	0.4	99.2	282.2	381.4
1980	**939.8**	**667.5**	**1607.3**	**1379.4**	**1611.8**	**2991.2**	28.7	*	28.7	0.7	145.5	449.8	595.3
1981	**848.5**	**638.2**	**1486.7**	**1338.2**	**1591.3**	**2929.5**	22.0	0	22.0	0.4	180.8	533.1	713.9
PRODUCING CAPACITY													
1982	*1355.6*	*964.5*	*2320.1*	*1635.8*	*1889.3*	*3525.1*	*58.4*	*0*	*58.4*	*2.0*	*363.8*	*716.5*	*1080.3*
1983	*1440.3*	*995.4*	*2435.7*	*1635.8*	*1889.3*	*3525.1*	*58.4*	*0*	*58.4*	*2.0*	*474.0*	*738.5*	*1212.5*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)* EGYPT			INDIA			INDONESIA			IRAN			ISRAEL		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1975	0.7	1.1	1.8	44.3	29.3	73.6	7.9	9.3	17.2	15.0	0	15.0	8.8	12.3	21.1
1976	1.3	1.3	2.6	53.4	43.4	96.8	24.3	55.1	79.4	19.2	0	19.2	12.6	13.7	26.3
1977	1.8	0.9	2.7	56.4	47.6	104.0	38.1	82.0	120.1	18.7	0	18.7	12.8	12.3	25.1
1978	1.8	0.9	2.7	72.3	56.7	129.0	47.0	100.1	147.1	19.8	*	19.8	19.6	13.7	33.3
1979	3.3	0.9	4.2	78.9	61.3	140.2	50.0	110.9	160.9	11.0	0	11.0	21.8	14.1	35.9
1980	4.0	11.0	15.0	87.5	67.9	155.4	91.5	118.8	210.3	9.9	0	9.9	23.1	14.5	37.6
1981	4.4	11.0	15.4	110.9	87.7	198.6	102.3	121.5	223.8	8.8	0	8.8	23.1	15.0	38.1
PRODUCING CAPACITY															
1982	*19.8*	*55.1*	*74.9*	*141.3*	*114.1*	*255.4*	*176.4*	*129.2*	*305.6*	*53.3*	*83.1*	*136.4*	*28.7*	*17.6*	*46.3*
1983	*19.8*	*55.1*	*74.9*	*203.0*	*181.8*	*384.8*	*176.4*	*129.2*	*305.6*	*53.3*	*83.1*	*136.4*	*28.7*	*17.6*	*46.3*

WORLD NON-CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

MILLION POUNDS

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*																
	KENYA			KOREA, REP. OF			MALAY SIA	NIGERIA			PAKISTAN			PHILIPPINES			SING-APORE
YEAR	Y	S	TOT	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1975	0	0	0	264.6	314.6	579.2	22.0	0	0	0	4.0	0	4.0	24.3	17.2	41.5	*
1976	0	0	0	311.5	370.4	681.9	33.1	0	0	0	5.3	0	5.3	30.9	17.2	48.1	0
1977	0	0	0	358.2	413.1	771.3	66.1	0	*	*	4.9	0	4.9	32.8	17.2	50.0	0
1978	0	0	0	458.6	494.9	953.5	72.8	*	6.6	6.6	4.2	0	4.2	35.3	19.0	54.3	0
1979	*	0	*	522.9	529.3	1052.2	77.2	6.6	8.8	15.4	4.4	0	4.4	55.1	25.6	80.7	0
1980	2.2	0	2.2	562.6	619.9	1182.5	79.4	5.5	5.5	11.0	3.3	0	3.3	66.2	30.9	97.1	0
1981	2.2	0	2.2	625.7	719.6	1345.3	79.4	5.9	5.5	11.4	3.3	0	3.3	70.5	33.1	103.6	0
PRODUCING CAPACITY																	
1982	*17.6*	*11.9*	*29.5*	*696.6*	*749.3*	*1445.9*	*83.3*	*11.0*	*11.0*	*22.0*	*53.9*	*52.9*	*106.8*	*88.2*	*39.7*	*127.9*	*0*
1983	*17.6*	*11.9*	*29.5*	*804.7*	*782.2*	*1586.9*	*83.3*	*11.0*	*11.0*	*22.0*	*60.6*	*52.9*	*113.5*	*88.2*	*39.7*	*127.9*	*0*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*															
	SOUTH AFRICA			SRI LANKA	TAIWAN			THAILAND			TOTAL OTHER A, A & O			WORLD TOTAL EXCEPT OLEFIN		
YEAR	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	45.0	10.6	55.6	0	327.8	189.4	517.2	45.6	40.6	86.2	**860.8**	**720.9**	**1581.7**	**8296.2**	**7913.4**	**16209.6**
1976	60.4	28.7	89.1	0	354.3	246.3	600.6	56.9	64.8	121.7	**1008.2**	**957.8**	**1966.0**	**9100.7**	**9862.0**	**18962.7**
1977	56.7	29.8	86.5	0	386.7	416.7	803.4	69.9	84.0	153.9	**1116.0**	**1264.9**	**2380.9**	**9507.7**	**10663.0**	**20170.7**
1978	64.8	36.4	101.2	0	492.7	530.6	1023.3	76.5	96.1	172.6	**1399.7**	**1665.2**	**3064.9**	**10148.4**	**11972.9**	**22121.3**
1979	71.0	43.0	114.0	0	566.1	583.1	1149.2	87.5	105.6	193.1	**1614.4**	**1843.1**	**3457.5**	**10798.9**	**12588.3**	**23387.2**
1980	73.8	44.1	117.9	0	583.3	646.5	1229.8	80.5	109.1	189.6	**1768.3**	**2197.4**	**3965.7**	**10460.8**	**12670.5**	**23131.3**
1981	74.1	44.1	118.2	1.8	657.4	636.7	1294.1	89.2	124.0	213.2	**1982.8**	**2410.7**	**4393.5**	**10599.5**	**13055.6**	**23655.1**
PRODUCING CAPACITY																
1982	*94.8*	*48.5*	*143.3*	*5.9*	*874.6*	*813.7*	*1688.3*	*67.1*	*93.3*	*160.4*	*2753.4*	*3019.2*	*5772.6*	*13715.3*	*16614.1*	*30329.4*
1983	*94.8*	*48.5*	*143.3*	*5.9*	*874.6*	*813.7*	*1688.3*	*89.2*	*123.6*	*212.8*	*3062.2*	*3172.1*	*6234.3*	*14221.9*	*16955.4*	*31177.3*

(Continued from page 146)

This new front-page format, it should be noted, will be used for all issues of the ***Textile Organon,*** with the exception of the June (World Man-Made Fiber Survey) and November (U.S. End Use Survey) issues.

The editors are confident that this new format will make the ***Organon*** easier to use, more readable and convenient for reference.

T.E.B. CIRCULATION MANAGER RETIRES

Dorothy A. Driscoll retired in July after more than 37 years as circulation manager for the Textile Economics Bureau, Inc.

The Bureau's staff joins her friends in the industry in wishing her a long and happy retirement.

BOOK REVIEW

Weaving: Conversion of Yarn to Fabric (Second Edition)
P.R. Lord and M.H. Mohamed. Merrow Publishing Co. Ltd. I.S.A. Building, Dale Road Industrial Estate, Shildon, Co. Durham, DL4 2QZ. England. 402 pages, 150 illustrations. Softcover. 1982. $19.80 (£9.50). Distributed by Meadowfield Press Ltd. at the above address.

This book is intended to be a standard work on the production of woven fabrics. The authors consider not only the design and operation of the loom itself, but also the preparation of yarns and packages, the design and structure of the fabrics produced and the management aspects of weaving as an industrial process. The sequence of processes used in producing woven fabrics is considered against a background of the historical development of weaving. There is a glossary of terms which is cross-referenced to the text and to an extensive list of cited literature. For this second edition metric units have been introduced in addition to Imperial units.

Like the first edition, this volume will be a valuable addition to any textile library. The information provided should be relevant for many years, while the references provided enable the reader to study any listed topic in depth.

WORLD RAYON+ACETATE PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

WEST EUROPE

YEAR	AUSTRIA			BELGIUM/ NETHERLANDS			FINLAND			FRANCE			FED. REP. OF GERMANY			GREECE
	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1975	22.5	163.1	185.6	77.8	23.6	101.4	1.5	64.8	66.3	61.9	121.9	183.8	107.6	94.8	202.4	13.0
1976	33.1	196.0	229.1	86.0	47.2	133.2	2.0	68.8	70.8	53.8	132.9	186.7	146.2	112.4	258.6	14.8
1977	27.8	198.8	226.6	79.8	50.7	130.5	2.6	87.7	90.3	45.9	133.8	179.7	140.4	101.4	241.8	15.9
1978	24.9	211.6	236.5	79.4	52.0	131.4	2.6	94.4	97.0	42.5	121.7	164.2	131.6	108.0	239.6	15.9
1979	26.4	217.8	244.2	79.6	59.3	138.9	2.6	105.8	108.4	40.8	129.8	170.6	128.1	110.2	238.3	15.9
1980	33.7	221.8	255.5	82.5	48.5	131.0	1.3	104.1	105.4	36.1	109.4	145.5	143.7	101.4	245.1	15.9
1981	33.5	224.0	257.5	85.1	32.2	117.3	0	102.7	102.7	24.2	94.6	118.8	143.3	110.2	253.5	15.9
PRODUCING CAPACITY																
1982	*35.3*	*233.7*	*269.0*	*96.8*	*66.1*	*162.9*	*0*	*127.9*	*127.9*	*22.1*	*143.3*	*165.4*	*152.1*	*121.3*	*273.4*	*16.5*
1983	*35.3*	*233.7*	*269.0*	*96.8*	*39.2*	*136.0*	*0*	*134.5*	*134.5*	*22.1*	*143.3*	*165.4*	*149.9*	*121.3*	*271.2*	*16.5*

WEST EUROPE *(Continued)*

YEAR	ITALY			NOR-WAY	PORTUGAL			SPAIN			SWEDEN			SWIT-ZERLAND	TURKEY		
	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1975	91.0	102.1	193.1	40.6	5.3	2.4	7.7	36.2	78.9	115.1	2.4	40.8	43.2	8.2	0.7	8.1	8.8
1976	103.0	131.8	234.8	57.5	5.5	3.1	8.6	34.4	90.4	124.8	0	67.0	67.0	9.7	0.7	8.6	9.3
1977	97.9	137.3	235.2	54.2	5.7	3.1	8.8	33.1	95.0	128.1	0	73.0	73.0	10.4	0.7	8.8	9.5
1978	86.6	103.4	190.0	62.6	4.6	2.6	7.2	30.4	102.7	133.1	0	81.3	81.3	9.0	0.7	8.8	9.5
1979	84.6	86.0	170.6	64.6	5.5	3.7	9.2	27.8	99.9	127.7	0	81.3	81.3	7.3	0.7	13.2	13.9
1980	80.7	60.6	141.3	62.6	6.0	1.5	7.5	28.2	88.4	116.6	0	76.9	76.9	4.0	0.7	11.0	11.7
1981	77.4	53.8	131.2	62.6	6.4	2.2	8.6	27.8	83.3	111.1	0	76.5	76.5	3.3	0.7	11.0	11.7
PRODUCING CAPACITY																	
1982	*116.8*	*77.2*	*194.0*	*70.5*	*8.8*	*11.9*	*20.7*	*37.7*	*135.8*	*173.5*	*0*	*99.2*	*99.2*	*11.0*	*1.1*	*11.0*	*12.1*
1983	*116.8*	*77.2*	*194.0*	*70.5*	*8.8*	*11.9*	*20.7*	*37.7*	*135.8*	*173.5*	*0*	*99.2*	*99.2*	*11.0*	*1.1*	*11.0*	*12.1*

	WEST EUROPE *(Continued)*						EAST EUROPE									
YEAR	UNITED KINGDOM			TOTAL WEST EUROPE			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUN-GARY
	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1975	137.8	279.3	417.1	**565.9**	**1020.4**	**1586.3**	5.5	41.9	47.4	47.2	109.3	156.5	72.5	298.9	371.4	19.4
1976	155.6	261.5	417.1	**644.8**	**1177.2**	**1822.0**	6.6	52.0	58.6	48.3	110.9	159.2	79.8	301.6	381.4	19.8
1977	138.0	250.4	388.4	**598.2**	**1194.2**	**1792.4**	6.6	56.7	63.3	48.5	111.5	160.0	79.4	288.8	368.2	20.1
1978	131.6	274.3	405.9	**559.8**	**1223.4**	**1783.2**	7.0	61.3	68.3	47.4	109.1	156.5	75.0	284.8	359.8	19.8
1979	130.5	306.9	437.4	**549.8**	**1278.5**	**1828.3**	7.0	66.2	73.2	48.5	99.2	147.7	77.2	286.6	363.8	19.0
1980	80.9	241.0	321.9	**513.7**	**1127.2**	**1640.9**	7.3	72.7	80.0	43.7	76.9	120.6	80.5	291.0	371.5	19.8
1981	59.5	225.8	285.3	**477.1**	**1078.9**	**1556.0**	7.3	73.4	80.7	40.3	79.4	119.7	82.0	282.2	364.2	16.5
PRODUCING CAPACITY																
1982	*79.4*	*254.6*	*334.0*	*577.6*	*1352.5*	*1930.1*	*11.0*	*92.6*	*103.6*	*55.1*	*125.7*	*180.8*	*84.8*	*319.7*	*404.5*	*22.0*
1983	*79.4*	*254.6*	*334.0*	*575.4*	*1332.2*	*1907.6*	*11.0*	*92.6*	*103.6*	*55.1*	*125.7*	*180.8*	*84.8*	*319.7*	*404.5*	*22.0*

EAST EUROPE *(Continued)*

YEAR	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EAST EUROPE		
	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	62.4	148.6	211.0	30.9	107.8	138.7	620.4	681.2	1301.6	30.9	110.0	140.9	**869.8**	**1517.1**	**2386.9**
1976	63.3	147.5	210.8	24.3	118.8	143.1	630.7	718.3	1349.0	33.3	110.2	143.5	**886.3**	**1579.1**	**2465.4**
1977	63.1	147.9	211.0	19.8	111.1	130.9	650.4	736.3	1386.7	32.8	123.5	156.3	**900.6**	**1595.9**	**2496.5**
1978	61.7	144.2	205.9	20.9	116.8	137.7	661.4	738.5	1399.9	33.1	125.7	158.8	**906.5**	**1600.2**	**2506.7**
1979	59.9	124.8	184.7	21.4	121.2	142.6	657.0	742.9	1399.9	34.1	127.9	162.0	**905.1**	**1587.8**	**2492.9**
1980	56.0	134.5	190.5	20.9	119.1	140.0	672.4	760.6	1433.0	33.0	127.9	160.9	**913.8**	**1602.5**	**2516.3**
1981	43.0	97.9	140.9	21.2	121.2	142.4	657.0	761.7	1418.7	33.0	127.9	160.9	**883.8**	**1560.2**	**2444.0**
PRODUCING CAPACITY															
1982	*69.5*	*157.6*	*227.1*	*22.1*	*121.2*	*143.3*	*749.6*	*778.2*	*1527.8*	*37.5*	*132.3*	*169.8*	*1029.6*	*1749.3*	*2778.9*
1983	*69.5*	*157.6*	*227.1*	*22.1*	*374.8*	*396.9*	*749.6*	*778.2*	*1527.8*	*37.5*	*132.3*	*169.8*	*1029.6*	*2002.9*	*3032.5*

Y means yarn+monofilaments. **S** means staple+tow. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1982 (1982) and December 1983 (1983).

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided between rayon and acetate yarn, is given on page 153. Also note page 154 for data on production of acetate staple and cigarette tow.

WORLD RAYON+ACETATE PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(Continued)*

MILLION POUNDS

	U.S.A.			OTHER AMERICAS											
				ARGENTINA			BRAZIL			CANADA			CHILE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	**366.1**	**382.9**	**749.0**	16.1	15.9	32.0	67.7	40.8	108.5	28.9	32.2	61.1	1.5	4.9	6.4
1976	**354.5**	**486.4**	**840.9**	11.7	11.0	22.7	75.4	43.4	118.8	12.6	46.7	59.3	2.2	6.6	8.8
1977	**352.7**	**535.0**	**887.7**	12.1	12.6	24.7	63.5	47.8	111.3	24.2	57.8	82.0	2.0	6.4	8.4
1978	**362.9**	**541.6**	**904.5**	9.7	8.4	18.1	53.1	49.4	102.5	27.1	59.1	86.2	1.7	7.3	9.0
1979	**373.4**	**556.4**	**929.8**	11.2	10.4	21.6	53.8	56.2	110.0	31.1	69.0	100.1	2.2	6.6	8.8
1980	**355.6**	**450.4**	**806.0**	4.4	3.3	7.7	57.3	55.8	113.1	30.9	66.1	97.0	2.2	6.6	8.8
1981	**305.6**	**464.5**	**770.1**	2.2	0	2.2	46.3	55.8	102.1	29.7	62.2	91.9	2.2	6.6	8.8
PRODUCING CAPACITY															
1982	*375.9*	*513.9*	*889.8*	*22.0*	*22.1*	*44.1*	*55.6*	*63.5*	*119.1*	*31.9*	*74.1*	*106.0*	*4.4*	*11.9*	*16.3*
1983	*375.9*	*513.9*	*889.8*	*22.0*	*22.1*	*44.1*	*55.6*	*63.5*	*119.1*	*31.9*	*74.1*	*106.0*	*4.4*	*11.9*	*16.3*

	OTHER AMERICAS *(Continued)*														
	COLOMBIA			CUBA			MEXICO			PERU	URUGUAY	VENEZUELA	TOTAL OTHER AMERICAS		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	Y	Y	S	TOT
1975	8.6	3.7	12.3	5.1	8.1	13.2	40.6	26.0	66.6	3.9	2.4	7.3	**182.1**	**131.6**	**313.7**
1976	7.5	0	7.5	5.5	7.7	13.2	43.0	25.1	68.1	4.6	2.4	6.2	**171.1**	**140.5**	**311.6**
1977	7.3	0	7.3	5.3	8.1	13.4	41.2	19.4	60.6	2.9	2.6	6.6	**167.7**	**152.1**	**319.8**
1978	7.5	0	7.5	5.1	8.1	13.2	37.9	23.1	61.0	2.4	2.9	6.6	**154.0**	**155.4**	**309.4**
1979	7.5	0	7.5	5.3	8.4	13.7	37.7	22.7	60.4	2.9	3.1	6.6	**161.4**	**173.3**	**334.7**
1980	5.3	0	5.3	4.8	8.4	13.2	37.0	24.3	61.3	3.3	2.9	6.2	**154.3**	**164.5**	**318.8**
1981	4.0	0	4.0	4.8	8.4	13.2	36.6	24.9	61.5	2.9	2.2	6.2	**137.1**	**157.9**	**295.0**
PRODUCING CAPACITY															
1982	*7.7*	*0*	*7.7*	*6.6*	*11.0*	*17.6*	*48.1*	*26.4*	*74.5*	*3.8*	*3.1*	*7.9*	*191.1*	*209.0*	*400.1*
1983	*7.7*	*0*	*7.7*	*6.6*	*11.0*	*17.6*	*48.1*	*26.4*	*74.5*	*3.8*	*3.1*	*7.9*	*191.1*	*209.0*	*400.1*

	JAPAN			OTHER AFRICA, ASIA & OCEANIA									
				AUSTRALIA	BANGLADESH	PEOPLE'S REPUBLIC OF CHINA			EGYPT			INDIA		
YEAR	Y	S	TOT	Y	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	**227.5**	**563.5**	**791.0**	6.6	3.5	108.0	134.5	242.5	13.9	7.3	21.2	119.5	147.9	267.4
1976	**241.0**	**551.8**	**792.8**	0	2.0	121.2	154.3	275.5	13.9	7.0	20.9	133.6	184.5	318.1
1977	**236.8**	**601.2**	**838.0**	0	3.1	134.5	169.7	304.2	13.7	5.3	19.0	129.8	192.0	321.8
1978	**242.0**	**616.0**	**858.0**	0	6.6	143.3	176.4	319.7	13.2	8.2	21.4	137.6	202.8	340.4
1979	**252.0**	**640.2**	**892.2**	0	9.0	149.9	187.4	337.3	12.8	9.2	22.0	133.4	203.2	336.6
1980	**263.0**	**612.9**	**875.9**	0	7.7	165.4	209.4	374.8	13.2	8.8	22.0	127.2	164.7	291.9
1981	**261.6**	**603.0**	**864.6**	0	6.6	176.4	231.5	407.9	13.2	8.8	22.0	123.3	208.3	331.6
PRODUCING CAPACITY														
1982	*299.8*	*699.3*	*999.1*	*0*	*11.9*	*220.5*	*286.6*	*507.1*	*15.4*	*11.9*	*27.3*	*146.6*	*250.9*	*397.5*
1983	*299.8*	*699.3*	*999.1*	*0*	*11.9*	*220.5*	*286.6*	*507.1*	*15.4*	*11.9*	*27.3*	*146.6*	*311.5*	*458.1*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*													WORLD TOTAL		
	IRAQ			REPUBLIC OF KOREA			PAKISTAN	TAIWAN			THAILAND	TOTAL OTHER A, A & O				
YEAR	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	S	Y	S	TOT	Y	S	TOT
1975	6.6	12.1	18.7	21.6	0	21.6	6.4	5.9	102.5	108.4	0	**292.0**	**404.3**	**696.3**	**2503.4**	**4019.8**	**6523.2**
1976	6.6	12.1	18.7	31.3	15.6	46.9	5.7	6.8	144.2	151.0	4.4	**321.1**	**522.1**	**843.2**	**2618.8**	**4457.1**	**7075.9**
1977	6.2	11.7	17.9	28.2	21.4	49.6	5.7	6.6	146.8	153.4	23.6	**327.8**	**570.5**	**898.3**	**2583.8**	**4648.9**	**7232.7**
1978	6.6	12.1	18.7	28.0	22.0	50.0	5.1	6.8	154.1	160.9	29.8	**347.2**	**605.4**	**952.6**	**2572.4**	**4742.0**	**7314.4**
1979	6.4	11.9	18.3	29.1	22.9	52.0	4.4	6.6	154.3	160.9	33.3	**351.6**	**622.2**	**973.8**	**2593.3**	**4858.4**	**7451.5**
1980	6.6	12.1	18.7	27.3	33.1	60.4	6.0	6.6	166.0	172.6	36.2	**360.0**	**630.3**	**990.3**	**2560.4**	**4587.8**	**7148.2**
1981	6.6	12.1	18.7	28.2	30.6	58.8	5.3	6.6	213.2	219.8	36.2	**366.2**	**740.7**	**1106.9**	**2431.4**	**4605.2**	**7036.6**
PRODUCING CAPACITY																	
1982	*7.7*	*14.3*	*22.0*	*30.2*	*62.0*	*92.2*	*7.3*	*8.8*	*194.0*	*202.8*	*33.3*	*448.4*	*853.0*	*1301.4*	*2922.4*	*5377.0*	*8299.4*
1983	*7.7*	*14.3*	*22.0*	*30.2*	*62.0*	*92.2*	*7.3*	*8.8*	*194.0*	*202.8*	*36.2*	*448.4*	*916.5*	*1364.9*	*2920.2*	*5673.8*	*8594.0*

RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

	WEST EUROPE																				
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE			FED. REP. OF GERMANY			ITALY			SPAIN			SWEDEN	UNITED KINGDOM		
YEAR	H	R	H	R	A	H	R	A	H	R+C	A	H	R+C	A	H	R	A	H	H	R	A
1975	15	7	28	37	13	28	27	7	55	46	7	20	40	31	12	20	4	2	41	27	70
1976	24	9	38	37	11	20	29	5	88	53	5	24	39	40	13	17	4	0	43	39	74
1977	20	8	38	31	11	18	28	0	84	53	4	24	34	40	15	13	5	0	37	27	74
1978	18	7	34	32	13	20	22	0	77	51	4	25	25	37	13	11	6	0	33	22	76
1979	18	8	30	34	15	21	20	0	72	52	4	25	19	41	11	10	7	0	24	23	83
1980	24	9	33	35	13	18	20	0	88	53	2	24	11	46	14	9	7	0	2	4	75
1981	24	9	35	35	13	4	20	0	86	55	2	24	11	42	14	7	7	0	0	0	60
PRODUCING CAPACITY																					
1982	*26*	*9*	*42*	*38*	*18*	*0*	*22*	*0*	*95*	*55*	*2*	*26*	*40*	*51*	*20*	*11*	*7*	*0*	*0*	*0*	*79*
1983	*26*	*9*	*42*	*38*	*18*	*0*	*22*	*0*	*95*	*55*	*0*	*26*	*40*	*51*	*20*	*11*	*7*	*0*	*0*	*0*	*79*

	W. EUROPE *(Cont.)*				EAST EUROPE																
	OTHER[a]	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	R	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1975	29	**201**	**233**	**132**	6	21	26	28	44	17	45	22	9	351	165	104	15	17	**454**	**312**	**104**
1976	33	**250**	**256**	**139**	7	20	28	31	49	17	46	15	9	353	170	108	15	18	**451**	**327**	**108**
1977	34	**236**	**228**	**134**	7	21	27	29	50	17	46	13	7	364	176	110	15	18	**459**	**331**	**110**
1978	34	**220**	**204**	**136**	7	22	25	29	46	18	44	13	8	364	176	121	15	18	**461**	**324**	**121**
1979	33	**201**	**199**	**150**	7	22	27	29	48	16	44	13	8	360	176	121	16	18	**456**	**328**	**121**
1980	27	**203**	**168**	**143**	6	20	24	31	51	15	40	13	9	364	187	121	15	18	**458**	**335**	**121**
1981	29	**187**	**166**	**124**	6	18	22	31	51	11	33	13	9	359	176	121	16	18	**448**	**315**	**121**
PRODUCING CAPACITY																					
1982	*37*	*209*	*212*	*157*	*11*	*24*	*31*	*33*	*53*	*18*	*50*	*13*	*9*	*375*	*220*	*154*	*18*	*20*	*481*	*394*	*154*
1983	*37*	*209*	*212*	*155*	*11*	*24*	*31*	*33*	*53*	*18*	*50*	*13*	*9*	*375*	*220*	*154*	*18*	*20*	*481*	*394*	*154*

	U.S.A.			OTHER AMERICAS																		
				ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA		CUBA		MEXICO			PERU		URUGUAY	VENEZUELA
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	R	A	H	R	H	R	A	R	A	A	A
1975	**46**	**19**	**301**	2	9	5	29	25	14	29	2	1	7	5	*	6	15	20	2	2	2	7
1976	**53**	**15**	**287**	2	7	3	34	27	14	13	2	0	7	6	*	7	15	21	2	3	2	6
1977	**55**	**16**	**282**	3	7	2	25	26	13	24	2	0	7	5	*	6	15	20	2	1	3	7
1978	**47**	**15**	**301**	3	5	2	18	27	8	27	2	0	7	5	*	5	14	19	*	2	3	7
1979	**42**	**15**	**316**	3	6	2	16	31	7	31	2	0	7	5	*	6	14	18	*	3	3	7
1980	**31**	**15**	**309**	2	2	*	13	36	9	31	2	0	4	4	*	7	13	18	0	4	2	7
1981	**32**	**15**	**258**	0	*	2	9	31	7	29	2	0	4	4	*	7	13	18	0	2	2	7
PRODUCING CAPACITY																						
1982	*42*	*15*	*319*	*4*	*11*	*6*	*11*	*35*	*11*	*31*	*4*	*0*	*7*	*7*	*	*11*	*16*	*22*	*0*	*4*	*2*	*9*
1983	*42*	*15*	*319*	*4*	*11*	*6*	*11*	*35*	*11*	*31*	*4*	*0*	*7*	*7*	*	*11*	*16*	*22*	*0*	*4*	*2*	*9*

	TOTAL OTHER AMERICAS			JAPAN			OTHER AFRICA, ASIA & OCEANIA												WORLD TOTAL		
							AUSTRALIA		INDIA			PAKISTAN	REP. OF KOREA		OTHER[b]	TOTAL OTHER A, A & O					
YEAR	H	R	A	H	R+C	A	H	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A
1975	**42**	**54**	**86**	**10**	**164**	**53**	3	4	42	73	4	6	18	4	138	**45**	**229**	**18**	**798**	**1011**	**694**
1976	**49**	**53**	**69**	**10**	**167**	**64**	0	0	38	91	4	6	26	5	151	**38**	**268**	**15**	**851**	**1086**	**682**
1977	**39**	**52**	**77**	**9**	**163**	**65**	0	0	37	88	5	6	23	5	164	**37**	**275**	**16**	**835**	**1065**	**684**
1978	**31**	**48**	**75**	**9**	**172**	**61**	0	0	39	94	5	5	23	5	176	**39**	**293**	**15**	**807**	**1056**	**709**
1979	**30**	**53**	**78**	**8**	**176**	**68**	0	0	36	92	5	4	24	5	186	**36**	**302**	**14**	**773**	**1073**	**747**
1980	**26**	**53**	**75**	**7**	**185**	**71**	0	0	31	93	5	7	22	4	198	**31**	**313**	**16**	**756**	**1069**	**735**
1981	**20**	**46**	**71**	**9**	**181**	**72**	0	0	31	88	5	4	24	4	210	**31**	**322**	**13**	**727**	**1045**	**659**
PRODUCING CAPACITY																					
1982	*33*	*66*	*92*	*22*	*203*	*75*	*0*	*0*	*44*	*95*	*7*	*7*	*26*	*4*	*265*	*44*	*386*	*18*	*831*	*1276*	*815*
1983	*33*	*66*	*92*	*22*	*203*	*75*	*0*	*0*	*44*	*95*	*7*	*7*	*26*	*4*	*265*	*44*	*386*	*18*	*831*	*1276*	*813*

H means high tenacity (tire & industrial type) viscose rayon yarn. **R** means regular+intermediate tenacity viscose rayon yarn. **C** means cuprammonium rayon yarn. **A** means acetate+triacetate yarn.

a. "Other West Europe" comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. "Other Africa, Asia & Oceania" comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

WORLD OLEFIN FIBER PRODUCTION

MILLION POUNDS

COUNTRY	1975	1976	1977	1978	1979	1980	1981
WEST EUROPE							
BENELUX	49	75	90	108	123	126	145
DENMARK	17	15	27	31	33	31	31
FRANCE	55	77	57	60	53	59	62
GERMANY, FED. REP. OF	79	102	113	115	126	117	123
IRELAND (EIRE)	9	13	13	11	13	20	20
ITALY	115	121	117	130	135	126	137
UNITED KINGDOM	135	157	174	176	181	176	179
SUBTOTAL EEC	**459**	**560**	**591**	**637**	**664**	**655**	**697**
AUSTRIA	26	33	33	39	41	39	39
FINLAND	4	–	–	–	–	–	–
GREECE-CYPRUS	9	13	17	20	22	20	20
NORWAY	9	9	–	–	9	9	9
PORTUGAL	44	48	59	86	84	88	83
SPAIN	31	46	77	79	81	83	83
SWEDEN	4	–	–	–	–	–	–
SWITZERLAND	–	–	–	–	–	–	–
TURKEY	11	11	11	13	11	11	11
TOTAL W. EUROPE	**604**	**741**	**816**	**902**	**933**	**926**	**963**
EAST EUROPE							
CZECHOSLOVAKIA	22	24	26	24	26	24	24
HUNGARY	13	13	18	22	29	33	35
POLAND	13	24	29	31	29	31	33
U.S.S.R.	–	18	26	26	33	33	33
U.S.A.							
YARN+MONOFIL	262	295	304	315	333	324	320
STAPLE	53	60	79	95	119	112	130
FILM FIBER	181	220	249	282	306	309	326
OTHER AMERICAS							
ARGENTINA	13	20	22	24	24	22	22
BRAZIL	44	59	73	88	86	88	88
CANADA	73	66	70	68	71	66	66
CHILE	0	0	0	2	2	2	2
EL SALVADOR							
GUATEMALA	2	2	4	4	4	4	4
HONDURAS							
MEXICO	11	15	37	40	44	48	51
NICARAGUA	+	2	2	2	2	2	2
PERU	7	9	11	11	11	11	13
URUGUAY	4	4	4	2	2	2	4
JAPAN							
YARN+MONOFIL	24	31	33	35	40	35	31
STAPLE	66	62	55	60	64	60	57
FILM FIBER	88	97	99	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	33	35	37	40	44	44	44
KOREA, REP. OF	11	11	13	15	18	9	7
PHILIPPINES	+	+	2	4	4	4	4
SOUTH AFRICA	22	22	20	7	7	–	–
TAIWAN	13	13	46	57	55	55	55
OTHER	0	0	+	+	+	+	+

The olefin data shown comprise (a) the poundages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional poundages of olefin fiber not included in the aforementioned data. Note text on page 144 of the June *Organon* Supplement.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

WORLD ACETATE STAPLE PRODUCTION & CAPACITY

MILLION POUNDS

	PRODUCTION							CAPACITY	
COUNTRY	1975	1976	1977	1978	1979	1980	1981	*1982*	*1983*
U.K.	2.6	1.8	1.5	1.1	1.1	0.7	0.4	*1.1*	*1.1*
U.S.A.	12.0	11.0	8.0	7.0	7.0	7.0	4.0	*7.9*	*7.9*
CANADA	3.5	2.6	3.7	1.3	0	0	0	*0*	*0*
INDIA	0.7	0.9	0.4	0.9	0.9	0.2	0.7	*1.8*	*1.8*
WORLD TOTAL	**18.8**	**16.3**	**13.6**	**10.3**	**9.0**	**7.9**	**5.1**	***10.8***	***10.8***

ESTIMATED WORLD CIGARETTE TOW PRODUCTION

MILLION POUNDS

AREA	1975	1976	1977	1978	1979	1980	1981
EUROPE[a]	108	130	148	168	163	163	178
U.S.A.	287	302	322	331	366	408	419
OTHER AMER.[b]	57	60	60	66	73	77	79
ASIA[c]	79	82	86	88	90	90	93
WORLD TOTAL	**531**	**574**	**616**	**653**	**692**	**738**	**769**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom

b. Brazil, Canada, Colombia, Mexico & Venezuela

c. Japan and Rep. of Korea

WORLD TEXTILE GLASS FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

	PRODUCTION							CAPACITY	
COUNTRY	1975	1976	1977	1978	1979	1980	1981	*1982*	*1983*
WEST EUROPE EAST EUROPE[a]	386	494	644	670	683	661	611	*750* *110*	*750* *110*
U.S.A.	547	677	787	924	1014	867	1040	*1695*	*1803*
OTHER AMERICAS	46	57	57	59	62	66	68	*88*	*88*
JAPAN	143	231	280	322	392	368	384	*425*	*503*
OTHER A. A & O[b]	13	27	29	27	27	29	31	*60*	*64*
TOTAL ABOVE	**1135**	**1486**	**1797**	**2002**	**2178**	**1991**	**2134**	***3128***	***3318***
CHINA U.S.S.R.	DATA ARE NOT AVAILABLE							*110* *220*	*110* *220*

Textile glass fiber is defined on page 114 of the June *Organon*. The textile glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1982 (1982) and December 1983 (1983).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

1980 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)

MILLION POUNDS

COUNTRY & AREA	RAYON+ACETATE YARN				RAYON+ACETATE STAPLE				NON-CELLULOSIC YARN				NON-CELLULOSIC STAPLE				TOTAL MAN-MADE FIBERS					
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMPORT	EXPORT	R+A SPUN	N-C SPUN	NET AVAIL
WEST EUROPE																						
AUSTRIA	33.7	7.5	27.5	13.7	221.8	10.1	176.3	55.6	0	56.4	7.9	48.5	56.0	34.8	31.5	59.3	311.5	108.8	243.2	-25.8	-13.6	137.7
BENELUX	82.5	30.0	90.2	22.3	48.5	67.0	64.4	51.1	158.5	287.3	237.9	207.9	71.4	219.1	147.1	143.4	360.9	603.4	539.6	+24.5	+52.2	501.4
IRELAND (EIRE)	0	0.9	0.7	0.2	0	1.3	1.1	0.2	22.0	43.2	13.7	51.5	69.9	61.7	4.2	127.4	91.9	107.1	19.7	0.6	+3.3	182.0
FINLAND	1.3	2.9	1.3	2.9	104.1	6.0	98.7	11.4	0.9	25.8	2.2	24.5	0	26.5		26.5	106.3	61.2	102.2	+2.9	+8.1	76.3
FRANCE	36.1	39.5	46.3	29.3	109.4	33.5	15.2	127.7	144.0	179.0	144.4	178.6	279.3	123.9	128.1	275.1	568.8	375.9	334.0	-5.1	-2.8	602.8
GERMANY, FED. REP. OF	143.7	61.1	95.0	109.8	101.4	78.5	64.4	115.5	700.4	219.6	564.8	355.2	887.1	199.7	630.5	456.3	1832.6	558.9	1354.7	+4.8	+20.7	1062.3
GREECE	15.9	2.0	7.3	10.6	0	6.0	0.2	5.8	19.8	13.0	2.6	30.2	22.0	52.0	7.5	66.5	57.7	73.0	17.6	0		113.1
ITALY/MALTA	80.7	51.1	27.1	104.7	60.6	64.2	5.7	119.1	275.3	127.9	204.6	198.6	506.8	262.8	278.2	491.4	923.4	506.0	515.6	-11.7	-87.1	815.0
NORWAY	0	2.0		2.0	62.6	2.2	51.4	13.4	0	15.7	1.5	14.2	0	9.0		9.0	62.6	28.9	52.9	+0.9	+4.4	43.9
PORTUGAL	6.0	4.4	1.1	9.3	1.5	23.8		25.3	3.1	38.6	4.9	36.8	70.8	31.1	3.3	98.6	81.4	97.9	9.3	-3.3	+17.9	184.6
SPAIN	28.2	3.5	5.7	26.0	88.4	22.9	22.3	89.0	145.1	35.9	19.6	159.4	314.1	118.0	89.1	343.0	573.8	180.3	136.7	-4.4	-24.5	588.5
SWEDEN	0	5.9	0.7	5.2	76.9	10.8	68.6	19.1	0.2	41.2	6.8	34.6	0	17.9		17.9	77.1	75.8	76.1	+1.3	+7.7	85.8
SWITZERLAND	4.0	3.7	5.3	2.4	0	19.4		19.4	133.8	18.7	123.7	28.8	52.2	32.4	41.9	42.7	190.0	74.2	170.9	+1.3	-8.1	86.5
TURKEY	0.7	2.9		3.6	11.0	3.7	0	14.7	61.7	25.8		87.5	154.3	24.0	5.7	172.6	227.7	56.4	5.7	0	0	278.4
UNITED KINGDOM	80.9	41.0	75.4	46.5	241.0	73.0	211.0	103.0	277.6	205.2	183.0	299.8	356.5	134.3	277.3	213.5	956.0	453.5	746.7	-8.6	+21.6	675.8
TOTAL WEST EUROPE	**513.7**	**258.4**	**383.6**	**388.5**	**1127.2**	**422.4**	**779.3**	**770.3**	**1940.4**	**1333.3**	**1517.6**	**1756.1**	**2840.4**	**1347.2**	**1644.4**	**2543.2**	**6421.7**	**3361.3**	**4324.9**	**-23.8**	**-0.2**	**5434.1**
U.S.A.	**355.6**	**8.4**	**41.2**	**322.8**	**450.4**	**10.4**	**71.0**	**389.8**	**3112.0**	**21.4**	**420.6**	**2712.8**	**4035.5**	**38.4**	**732.4**	**3341.5**	**7953.5**	**78.6**	**1265.2**	**–**	**-9.9**	**6757.0**
OTHER AMERICAS																						
ARGENTINA	4.4	2.2	0.2	6.4	3.3	2.0	1.5	3.8	47.1	5.3	2.6	49.8	28.4	15.2	0.7	42.9	83.2	24.7	5.0	0	+0.2	103.1
BRAZIL	57.3	4.5	8.4	53.4	55.8	6.8	2.0	60.6	300.8	15.2	1.8	314.2	209.4	17.4	9.9	216.9	623.3	43.9	22.1		+0.2	645.3
CANADA	30.9	17.0	12.8	35.1	66.1	9.3	46.3	29.1	163.1	84.2	26.2	221.1	105.8	80.9	19.8	166.9	365.9	191.4	105.1	+0.5	+11.7	464.4
CHILE	2.2	0.4	0	2.6	6.6	0.7	0	7.3	11.0	2.7	0	13.7	5.5	14.1	0	19.6	25.3	17.9	0	0	+0.2	43.4
COLOMBIA	5.3	0.4	0	5.7	0	5.5	0	5.5	50.7	12.6	0	63.3	24.0	9.5	0	33.5	80.0	28.0	0		+0.2	108.2
COSTA RICA	0		0		0	0.4	0	0.4	6.6	2.0		8.6	0	3.3	0	3.3	6.6	5.7			0	12.3
CUBA	4.8	0.7	0	5.5	8.4	0.9	0	9.3	0	2.0	0	2.0	0	4.4	0	4.4	13.2	8.0	0	+0.2	+5.1	26.5
ECUADOR	0	0.4	0	0.4	0	4.4	0	4.4	7.7	6.0	0	13.7	0	12.4	0	12.4	7.7	23.2	0			30.9
MEXICO	37.0	0.2	1.6	35.6	24.3	9.3	6.2	27.4	302.0	10.1	3.3	308.8	225.8	19.0	1.1	243.7	589.1	38.6	12.2	0	-1.7	615.8
PERU	3.3	0.2	0.2	3.3	0	4.0	0	4.0	23.1	5.5	0	28.6	49.6	11.0		60.6	76.0	20.7	0.2			96.5
URUGUAY	2.9	0.4	1.3	2.0	0	3.7	0	3.7	2.4	0.4		2.8	5.8	2.6	0.4	8.0	11.1	7.1	1.7	0	0	16.5
VENEZUELA	6.2	0.7	0	6.9	0	11.9	0	11.9	25.3	4.4	0	29.7	13.2	6.0	0	19.2	44.7	23.0	0	0		67.7
TOTAL OTHER AMERICAS	**154.3**	**27.1**	**24.5**	**156.9**	**164.5**	**58.9**	**56.0**	**167.4**	**939.8**	**150.4**	**33.9**	**1056.3**	**667.5**	**195.8**	**31.9**	**831.4**	**1926.1**	**432.2**	**146.3**	**+0.7**	**+15.9**	**2228.6**
JAPAN	**263.0**	**3.3**	**94.1**	**172.2**	**612.9**	**0.7**	**298.3**	**315.3**	**1379.4**	**55.3**	**252.4**	**1182.3**	**1611.8**	**48.9**	**536.8**	**1123.9**	**3867.1**	**108.2**	**1181.6**	**-9.9**	**-87.7**	**2696.1**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA/N.Z.	0	5.3		5.3	0	3.5	0.4	3.1	28.7	21.2	0	49.9		35.5	0.4	35.1	28.7	65.5	0.8	+2.0	+19.4	114.8
BANGLADESH	7.7	0	0.2	7.5	0	9.5	0	9.5	0.7	1.5	0	2.2	0	0.2	0	0.2	8.4	11.2	0.2	0		19.4
EGYPT	13.2	1.1	0	14.3	8.8	2.4	1.6	9.6	4.0	12.6	0	16.6	11.0	9.7	0.2	20.5	37.0	25.8	1.8		+0.9	61.9
INDIA	127.2	3.1	4.0	126.3	164.7	89.1		253.8	87.5	28.2	0.7	115.0	67.9	14.8		82.7	447.3	135.2	4.7	0	+0.9	578.7
INDONESIA	0	7.0	0	7.0	0	50.0	0	50.0	91.5	25.8	1.3	116.0	118.8	37.9	0	156.7	210.3	120.7	1.3	+4.2	+8.8	342.7
IRAN	0	9.5	0	9.5	0	80.7	0	80.7	9.9	26.9	0	36.8	0	63.7		63.7	9.9	180.8		+0.9	+25.8	217.4
IRAQ	6.6	2.0		8.6	12.1	2.0	0	14.1	0	16.8	0	16.8	0	10.1	0	10.1	18.7	30.9		+1.1	+9.9	60.6
ISRAEL	0	0.7		0.7	0	1.5	0	1.5	23.1	20.1	9.0	34.2	14.5	7.5	2.6	19.4	37.6	29.8	11.6	+0.4	+1.3	57.5
KOREA, REPUBLIC OF	27.3	14.8	7.5	34.6	33.1	17.4	2.2	48.3	562.5	25.8	39.5	548.9	619.9	29.5	65.0	584.4	1242.9	87.5	114.2	8.4	125.4	1082.4
MALAYSIA	0	1.3		1.3	0	27.1	3.1	24.0	0	26.7	0.2	26.5	79.4	33.3	10.4	102.3	79.4	88.4	13.7	+0.2	7.7	146.6
NIGERIA	0	3.9	0	3.9	0	3.5	0	3.5	5.5	35.7	2.2	39.0	5.5	3.8	4.8	4.5	11.0	46.9	7.0	+7.3	+23.6	81.8
PAKISTAN	6.0	5.3	0	11.3	0	24.9	0	24.9	3.3	26.2	0	29.5	0	24.7	0	24.7	9.3	81.1	0	0	+0.2	90.6
PHILIPPINES	0	0.9	0	0.9	0	33.1	0	33.1	66.2	6.8	4.6	68.4	30.9	32.2		63.1	97.1	73.0	4.6	+1.5	+2.4	169.4
SOUTH AFRICA	0	11.0		11.0	0	31.8	0.2	31.6	73.8	37.7	1.1	110.4	44.1	66.8		110.9	117.9	147.3	1.3	+0.2	-1.5	262.6
TAIWAN	6.6	3.3	2.0	7.9	166.0	19.4	26.0	159.4	583.3	27.6	246.5	364.4	646.5	83.3	101.9	627.9	1402.4	133.6	376.4	-15.6	-101.0	1043.0
THAILAND	0	1.8	0.2	1.6	36.2	3.3	0.2	39.3	80.5	2.6	36.2	46.9	109.1	12.4	9.9	111.6	225.8	20.1	46.5		+1.1	200.5
TOTAL A, A & O ABOVE	**194.6**	**71.0**	**13.9**	**251.7**	**420.9**	**399.2**	**33.7**	**786.4**	**1620.6**	**342.2**	**341.3**	**1621.5**	**1747.6**	**465.4**	**195.2**	**2017.8**	**3983.7**	**1277.8**	**584.1**	**-6.2**	**-141.3**	**4529.9**
HUNGARY	0	35.3	0.4	34.9	19.8	34.6	9.7	44.7	12.8	23.4	0.9	35.3	30.4	35.5	14.1	51.8	63.0	128.8	25.1	0	+7.5	174.2
POLAND	56.0	5.3	4.6	56.7	134.5	26.9	0.4	161.0	208.3	25.1	12.3	221.1	151.0	84.0	13.0	222.0	549.8	141.3	30.3	+0.9	+9.9	671.6

WORLD NON-CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

MILLION POUNDS

FIBER & AREA	PRODUCTION																					PRODUCING CAPACITY					
	1975			1976			1977			1978			1979			1980			1981			1982			1983		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
WEST EUROPE	2	1188	1190	1	1619	1620	*	1493	1493	*	1750	1750	*	1753	1753	*	1607	1607	*	1760	1760	*	2264	2264	*	2267	2267
EAST EUROPE	0	359	359	0	380	380	0	405	405	0	442	442	0	469	469	0	476	476	0	474	474	0	584	584	0	584	584
U.S.A.	0	525	525	0	621	621	0	709	709	0	725	725	0	761	761	0	780	780	0	690	690	0	842	842	0	855	855
OTHER AMERICAS	0	146	146	0	181	181	0	181	181	0	214	214	0	239	239	0	245	245	0	229	229	0	366	366	0	381	381
JAPAN	4	532	536	6	678	684	6	739	745	6	817	823	9	783	792	6	772	778	4	767	771	13	858	871	13	858	871
ALL OTHER	0	310	310	0	357	357	0	411	411	0	501	501	0	548	548	0	670	670	0	703	703	0	840	840	0	875	875
TOTAL	**6**	**3060**	**3066**	**7**	**3836**	**3843**	**6**	**3938**	**3944**	**6**	**4449**	**4455**	**9**	**4553**	**4562**	**6**	**4550**	**4556**	**4**	**4623**	**4627**	**13**	**5754**	**5767**	**13**	**5820**	**5833**
NYLON+ARAMID																											
WEST EUROPE	1194	193	1387	1395	269	1664	1249	268	1517	1247	330	1577	1259	326	1585	1151	336	1487	1164	291	1455	1515	463	1978	1519	465	1984
EAST EUROPE	722	61	783	854	62	916	869	67	936	892	69	961	914	68	982	1017	121	1138	999	154	1153	1307	190	1497	1378	190	1568
U.S.A.	1295	562	1857	1372	703	2075	1512	814	2326	1654	896	2550	1781	939	2720	1631	728	2359	1580	752	2332	1970	988	2958	2032	1054	3086
OTHER AMERICAS	347	38	385	376	43	419	385	44	429	412	49	461	452	50	502	461	50	511	404	45	449	640	80	720	646	81	727
JAPAN	581	33	614	628	36	664	643	35	678	646	35	681	653	37	690	661	40	701	621	41	662	699	52	751	699	52	751
ALL OTHER	453	5	458	536	6	542	584	6	590	682	7	689	753	7	760	802	4	806	847	7	854	1091	21	1112	1274	22	1296
TOTAL	**4592**	**892**	**5484**	**5161**	**1119**	**6280**	**5242**	**1234**	**6476**	**5533**	**1386**	**6919**	**5812**	**1427**	**7239**	**5723**	**1279**	**7002**	**5615**	**1290**	**6905**	**7222**	**1794**	**9016**	**7548**	**1864**	**9412**
POLYESTER																											
WEST EUROPE	795	709	1504	866	895	1761	808	903	1711	867	945	1812	897	982	1879	780	873	1653	800	979	1779	1095	1407	2502	1021	1417	2438
EAST EUROPE	168	449	617	191	499	690	207	641	848	247	669	916	259	680	939	290	706	996	269	677	946	411	1139	1550	447	1140	1587
U.S.A.	1459	1536	2995	1405	1935	3340	1592	2050	3642	1564	2236	3800	1716	2462	4178	1461	2527	3988	1570	2605	4175	1603	2815	4418	1616	2877	4493
OTHER AMERICAS	357	194	551	369	222	591	423	265	688	432	296	728	472	362	834	477	372	849	443	364	807	712	518	1230	791	534	1325
JAPAN	440	542	982	553	625	1178	615	649	1264	701	703	1404	692	702	1394	672	705	1377	683	708	1391	862	752	1614	862	752	1614
ALL OTHER	398	375	773	461	563	1024	519	812	1331	707	1102	1809	851	1222	2073	952	1435	2387	1120	1592	2712	1629	2026	3655	1756	2142	3898
TOTAL	**3617**	**3805**	**7422**	**3845**	**4739**	**8584**	**4164**	**5320**	**9484**	**4518**	**5951**	**10469**	**4887**	**6410**	**11297**	**4632**	**6618**	**11250**	**4885**	**6925**	**11810**	**6312**	**8657**	**14969**	**6493**	**8862**	**15355**
OTHER FIBERS[a] EXCEPT OLEFIN																											
WEST EUROPE	8	24	32	8	24	32	8	21	29	8	21	29	11	23	34	9	24	33	11	18	29	13	26	39	13	26	39
EAST EUROPE	18	14	32	20	14	34	20	12	32	20	16	36	11	15	26	15	15	30	15	13	28	27	20	47	26	22	48
U.S.A.	12	2	14	14	3	17	16	3	19	16	3	19	18	3	21	20	*	20	22	2	24	29	3	32	31	2	33
OTHER AMERICAS	*	0	*	1	0	1	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	4	0	4	3	0	3
JAPAN	33	86	119	34	95	129	37	99	136	34	92	126	38	91	129	40	95	135	30	75	105	62	227	289	62	227	289
ALL OTHER	10	31	41	11	32	43	13	36	49	11	55	66	11	66	77	14	89	103	15	110	125	33	133	166	33	132	165
TOTAL	**81**	**157**	**238**	**88**	**168**	**256**	**96**	**171**	**267**	**91**	**187**	**278**	**91**	**198**	**289**	**100**	**223**	**323**	**95**	**218**	**313**	**168**	**409**	**577**	**168**	**409**	**577**
TOTAL FIBERS ABOVE																											
WEST EUROPE	1999	2114	4113	2270	2807	5077	2065	2685	4750	2122	3046	5168	2167	3084	5251	1940	2840	4780	1975	3048	5023	2623	4160	6783	2553	4175	6728
EAST EUROPE	908	883	1791	1065	955	2020	1096	1125	2221	1159	1196	2355	1184	1232	2416	1322	1318	2640	1283	1318	2601	1745	1933	3678	1851	1936	3787
U.S.A.	2766	2625	5391	2791	3262	6053	3120	3576	6696	3234	3860	7094	3515	4165	7680	3112	4035	7147	3172	4049	7221	3602	4648	8250	3679	4788	8467
OTHER AMERICAS	704	378	1082	746	446	1192	810	490	1300	846	559	1405	926	651	1577	940	667	1607	849	638	1487	1356	964	2320	1440	996	2436
JAPAN	1058	1193	2251	1221	1434	2655	1301	1522	2823	1387	1647	3034	1392	1613	3005	1379	1612	2991	1338	1591	2929	1636	1889	3525	1636	1889	3525
ALL OTHER	861	721	1582	1008	958	1966	1116	1265	2381	1400	1665	3065	1615	1843	3458	1768	2198	3966	1982	2412	4394	2753	3020	5773	3063	3171	6234
WORLD TOTAL	**8296**	**7914**	**16210**	**9101**	**9862**	**18963**	**9508**	**10663**	**20171**	**10148**	**11973**	**22121**	**10799**	**12588**	**23387**	**10461**	**12670**	**23131**	**10599**	**13056**	**23655**	**13715**	**16614**	**30329**	**14222**	**16955**	**31177**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 148-150.

a. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE fluorocarbon, vinal and vinyon.

ESTIMATED U.S. MILL CONSUMPTION

MILLION POUNDS

ITEM	1982 JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE 1982	1981
CELLULOSIC								
YARN	21	18	20	22	19		100	126
STAPLE	30	26	30	27	26		139	187
TOTAL CELLULOSIC	**51**	**44**	**50**	**49**	**45**		**239**	**313**
NONCELLULOSIC								
YARN	233	246	258	253	243		1233	1552
STAPLE	237	246	267	271	275		1296	1559
TOTAL NONCELLULOSIC	**470**	**492**	**525**	**524**	**518**		**2529**	**3111**
TOTAL MAN-MADE FIBERS[a]	**521**	**536**	**575**	**573**	**563**		**2768**	**3424**
COTTON	207	199	229	217	211		1063	1169
WOOL	12	12	14	12	12		62	67
TOTAL FIBER	**740**	**747**	**818**	**802**	**786**		**3893**	**4660**
% OF MILL CONSUMPTION								
MAN MADE FIBERS	*70*	*72*	*70*	*71*	*72*		*71*	*74*
COTTON	*28*	*27*	*28*	*27*	*27*		*27*	*25*
WOOL	*2*	*1*	*2*	*2*	*1*		*2*	*1*

a. Excludes textile glass fiber and acetate cigarette tow.

ESTIMATED U.S. MILL CONSUMPTION

The table above features U.S. monthly mill consumption. These data appear every month in another of our monthly publications, the ***MAN-MADE FIBER REVIEW***. Detailed are mill consumption of rayon+acetate yarn+monofilaments and staple+tow, non-cellulosic yarn+monofilaments and staple+tow (excluding textile glass and acetate cigarette tow), cotton and wool. In addition, a percent-share analysis is presented for total man-made fibers, cotton and wool.

For the purposes of this table, mill consumption of fiber is tabulated utilizing the following equation:

Domestic Shipments of Fiber	+	Imports of Fiber	−	Exports of Fiber	=	Mill Cons. of Fiber

In summary for May, estimated U.S. mill consumption of man-made fiber, cotton and wool fell to 786 million pounds, off 2% from April's level of 802 million pounds.

Estimated U.S. mill consumption of man-made fiber declined 1½% to 563 million pounds, off from the 573 million pounds consumed in April. Non-cellulosic fiber consumption fell 1% to 518 million pounds, as did rayon+acetate fiber by 8% to 45 million pounds.

Cotton consumption dropped 2½% in May from the 217 million pounds consumed in April, to 211 million pounds. Consumption of wool remained unchanged at 12 million pounds for May.

Man-made fiber consumption represented a 72% share of all fiber consumed by U.S. mills in May, as compared with a 71% share in April. While cotton was unchanged for May at 27% and wool, following an April share of 2%, registered a 1% share in May.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982						5 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
CELLULOSIC YARN, MONOFIL & STRIPS								
MEXICO	155	76	157	75	115		578	635
AUSTRIA	0	20	0	451	225		696	21
BELGIUM	11	0	0	23	0		34	151
GERMANY, FED. REP. OF	502	275	218	250	81		1326	1926
NETHERLANDS	86	77	17	59	53		292	1717
SPAIN	40	81	46	47	47		261	183
JAPAN	20	42	36	1	36		135	97
ALL OTHER COUNTRIES[a]	47	17	28	110	22		224	644
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**		**3546**	**5374**
CELLULOSIC STAPLE+TOW								
CANADA	155	167	191	129	170		812	2251
AUSTRIA	605	40	441	401	462		1949	2081
FRANCE	1	52	2	0	0		55	183
GERMANY, FED. REP. OF	42	44	43	0	0		129	85
SWEDEN	464	0	871	189	554		2078	937
UNITED KINGDOM	117	2	108	69	119		415	669
AUSTRALIA	153	0	0	0	0		153	0
JAPAN	149	24	134	118	76		501	488
ALL OTHER COUNTRIES[b]	0	80	1	44	29		154	48
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**		**6246**	**6742**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	295	156	101	444	456		1452	1146
COSTA RICA	117	27	0	0	27		171	0
FRANCE	128	114	79	106	49		476	803
GERMANY, FED. REP. OF	581	362	295	372	569		2179	1840
ITALY	24	2	175	1	10		212	347
UNITED KINGDOM	67	48	38	43	5		201	216
JAPAN	453	661	463	450	438		2465	2766
ALL OTHER COUNTRIES[c]	18	8	29	26	108		189	455
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**		**7345**	**7573**
NONCELLULOSIC STAPLE+TOW								
CANADA	439	310	864	219	476		2308	2372
MEXICO	177	27	57	79			340	1518
BELGIUM	29	31	1	12	0		73	352
FRANCE	219	194	444	308	301		1466	2080
GERMANY, FED. REP. OF	730	752	975	725	861		4043	8006
IRELAND	0	39	39	77	39		194	56
ITALY	58	23	153	115	63		412	2576
NETHERLANDS	141	89	58	43	19		350	198
ROMANIA	50	106	29	219	5		409	244
UNITED KINGDOM	195	250	259	238	412		1354	1473
JAPAN	588	461	510	401	520		2480	2366
TAIWAN	616	194	436	583	760		2589	3115
ALL OTHER COUNTRIES[d]	16	5	1	17	28		67	201
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**		**16085**	**24557**

Other countries supplying 1982 poundages are:

[a] Brazil 55, Canada 15, France 66, Italy 8 & Rep. of Korea 80.

[b] Finland 80, German Dem. Rep. 44, Mexico 1 & Netherlands 29.

[c] Austria 10, Belgium 22, Ireland 1, Israel 1, Rep. of Korea 10, Mexico 14, Netherlands 25, Norfolk Is. 36, Romania 1, Sweden 10, Switzerland 38 & Taiwan 21.

[d] Austria 8, German Dem. Rep. 15, Hong Kong 1, Iceland 5, Israel 1 & Switzerland 37.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982						5 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1982	1981
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	5	0	28	35	6		74	257
OTHER	310.0130 & .0230[a]	856	586	474	981	573		3470	5114
MONOFILAMENTS	309.0310 & .0610	0	2	0	0	0		2	3
STRIPS, $1/LB & UNDER	309.2000 *	0	0	0	0	0		0	-
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**		**3546**	**5374**
STAPLE	309.4320 & .4325	1510	409	1623	853	1219		5614	5889
GROUPED FILAMENTS	309.3010 & .3110	176	-	168	97	191		632	853
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**		**6246**	**6742**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0	197		261	116
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	423	174	125	210	516		1448	1722
POLYESTER	310.0110 & .0210	231	43	7	3	33		317	148
OTHER	310.0114 & .0214	32	26	69	361	268		756	147
OTHER - NYLON	310.0149 & .0249	111	211	278	99	191		890	1885
POLYESTER	310.0150 & .0250	551	691	368	441	403		2454	1702
OTHER	310.0170 & .0270[b]	164	81	140	162	147		694	818
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145	89		670	1073
STRIPS, OVER $1/LB	309.2100 & .2500 *	31	13	36	21	15		116	78
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**		**7345**	**7573**
STAPLE - NYLON		392	209	400	316	84		1401	9897
POLYESTER	309.4342	487	517	933	577	494		3008	2057
ACRYLIC	309.4345	526	474	962	607	369		2938	5776
OLEFIN	309.4346	1	30	1	33	30		95	315
OTHER	309.4355	899	292	581	653	1011		3436	4043
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	460	530	345	565	884		2784	478
POLYESTER	309.3040 & .3140	0	0	17	1	-		18	86
ACRYLIC	309.3050 & .3150	297	376	553	246	468		1940	1100
OTHER	309.3065 & .3165	196	53	34	38	144		465	805
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**		**16085**	**24557**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647	1838	2315	2285		9967	9854
POLYESTER	309.6630	1398	775	1580	608	581		4942	6906
ACRYLIC	309.6645	0	184	9	59	294		546	1362
OTHER	309.6660	433	229	247	256	480		1645	953
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0	0		20	0
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26	9	16		118	222
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**		**17238**	**19297**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**		**50721**	**63659**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0	-	0	1		1	24
NONCELLULOSIC	310.1015[d] & .1109[e]	407	110	333	266	421		1537	1282
OTHER - CELLULOSIC	310.1030 & .1135[f]	-	6	67	0	16		89	16
NONCELLULOSIC	310.1050 & .1070[g]	200	18	13	54	29		314	137
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0	18	20	32		98	148
OTHER	310.4015 & .4027[i]	1570	1253	1374	1784	2288		8269	8914
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	205	89	190	229	367		1080	1746
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188	226	192		975	1117
SLIVER, TOPS & ROVING	309.9000	434	309	201	115	79		1138	1618
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736	1033		5609	3838
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**		**69831**	**82499**

SOURCE: U.S. Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**107.0**	**142.7**
NYLON[e] INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	172.7	208.6
LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	14.9	18.2
CARPET	40.3	43.3	46.0	46.1	51.2	48.3	275.2	396.2
TEXTILE	27.9	27.0	29.5	28.4	26.6	26.7	166.1	219.4
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	151.4	153.3
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	11.5	14.8
TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	497.5	640.7
OLEFIN[h]	50.1	50.4	51.0	48.9	48.5	52.0	300.9	333.5
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.1**	**259.3**	**265.8**	**1590.2**	**1984.7**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**177.6**	**233.9**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	321.0	436.1
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	323.9	372.6
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	997.3	1296.3
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	70.4	68.1
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**1712.6**	**2173.1**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**13.2**	**12.1**
NYLON[e] INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	33.3	41.2
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6	4.5	4.5	3.2
CARPET	62.5	58.0	55.5	53.9	49.5	51.4	51.4	39.5
TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.3	41.4
POLYESTER INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1	27.8	27.8	23.7
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.7	3.6
TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	81.7	76.0
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3	61.9	61.9	62.3
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**306.6**	**306.6**	**291.9**
STAPLE+TOW+FIBERFILL								
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**36.4**	**23.7**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	53.6	48.5
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	61.9	63.8
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	175.2	185.1
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.9	15.5
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**312.6**	**312.9**

WOOL & COTTON CONSUMPTION

APPAREL CLASS WOOL	11.6	10.6	13.0	10.5	10.1		55.8	62.4
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0		4.4	4.1
TOTAL RAW WOOL	12.3	11.5	14.0	11.3	11.1		60.2	66.5
RAW COTTON	207.2	198.6	228.7	217.3	211.7	197.5	1261.0	1413.2

a. Year to date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spun bonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

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MONTHLY REVIEW

Highlights

Second Quarter Total Shipments of Noncellulosic Staple+Tow Rise, Though Export Shipments Plummet . . . see page 165.

U.S. Export Balance of Man-Made Fiber and Manufactures Declines as Imports Rise During Second Quarter . . . see page 163.

Total Shipments of Noncelluiosic Yarn+Monofilaments and Staple+Tow Fall in July . . . see page 180.

Textile Organon *Special Report: The Impact of Exports . . . see page 169.*

As the new President of the Textile Economics Bureau I want to reconfirm our company's commitment to **accuracy** and **timeliness** with regard to the industry data presented each month in the ***Textile Organon***. Further, we remain committed to publishing all data series **on schedule** and in a format that is clear, concise and meaningful.

With this issue, we are presenting the first in a series of periodic special reports that highlight situations in the man made fibers industry that we believe warrant your attention — in this case, the impact of export shipments on U.S. man-made fiber's capacity utilization. The data is presented factually and without opinion.

We believe that special reports of this type will make the ***Organon*** an even better management tool.

Raymond S Savadge

ITEM	1982 JULY	1982 JUNE	%a	1981 JULY	%b	YEAR TO DATE 1982	YEAR TO DATE 1981	%c
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**12.2**	**17.4**	*-29.9*	**24.6**	*-50.4*	**119.2**	**167.3**	*-28.7*
NYLON INDUSTRIAL	23.5	28.3	*-17.0*	30.6	*-23.2*	196.2	239.2	*-18.0*
LOW DENIER INDUSTRIAL	1.9	2.7	*-29.6*	2.5	*-24.0*	16.8	20.7	*-18.8*
CARPET	42.6	48.3	*-11.8*	56.8	*-25.0*	317.8	455.0	*-30.2*
TEXTILE	21.4	26.7	*-19.8*	31.7	*-32.5*	187.5	251.1	*-25.3*
POLYESTER INDUSTRIAL	21.8	27.4	*-20.4*	26.4	*-17.4*	175.2	179.7	*-2.5*
LOW DENIER INDUSTRIAL	1.5	2.1	*-28.6*	2.5	*-40.0*	13.0	17.3	*-24.8*
TEXTILE	61.2	78.3	*-21.8*	102.1	*-41.1*	558.7	742.8	*-24.8*
OLEFIN	49.5	50.1	*-1.2*	53.5	*-7.5*	349.5	387.0	*-9.7*
TOTAL NONCELLULOSIC ABOVE	**223.4**	**263.9**	*-15.3*	**306.1**	*-27.0*	**1812.5**	**2290.8**	*-20.9*
STAPLE+TOW+FIBERFILL								
RAYON	**25.2**	**29.9**	*-15.7*	**39.4**	*-36.0*	**202.8**	**273.3**	*-25.8*
NYLON	51.4	58.1	*-11.5*	62.2	*-17.4*	372.4	498.5	*-25.3*
ACRYLIC+MODACRYLIC	47.6	59.2	*-19.6*	51.9	*-8.3*	371.5	424.5	*-12.5*
POLYESTER	129.5	155.5	*-16.7*	212.8	*-39.2*	1126.6	1509.1	*-25.3*
OLEFIN+VINYON	11.6	14.8	*-21.6*	10.7	*+8.4*	82.0	78.8	*+4.1*
TOTAL NONCELLULOSIC ABOVE	**239.9**	**287.4**	*-16.5*	**337.6**	*-28.9*	**1952.5**	**2510.7**	*-22.2*

a Percent change from previous month to current month

b Percent change to current month from same month last year

c Percent change from cumulative total last year to cumulative total this year

Also see footnotes on last page of this issue

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Textile Organon

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MONTHLY SHIPMENT SYNOPSIS

Nylon yarn+monofilament shipments to the carpet trades fell for the second straight month and shipments of nylon industrial yarn hit a new monthly low for the year.

Polyester textile yarn+monofilament shipments declined for the fifth month in a row, while shipments of polyester industrial yarn fell to the lowest level since July of 1980.

Both shipments of olefin yarn+monofilaments and olefin+vinyon staple+tow fell in July.

Polyester staple+tow shipments continued the downward trend for 1982 by recording the lowest monthly level since April of 1975.

Shipments of acrylic+modacrylic staple+tow fell in July after a 3-month rise and nylon staple+tow shipments declined for the second consecutive month.

QUARTERLY PRODUCTION, SHIPMENT & INVENTORY SYNOPSIS

Production of noncellulosic yarn+monofilaments was off for the second quarter of 1982, as was production of staple+tow. Both levels of production declined to the lowest point since third quarter of 1976.

Total shipments of both noncellulosic yarn+monofilaments and staple+tow rose for the second quarter. In each case, a rise in total shipments resulted from an increase in domestic shipments which more than offset a decline in exports.

Inventories of noncellulosic yarn+monofilaments fell in the second quarter, the first drop since the second quarter of 1981, and inventories of staple+tow fell to the lowest level since the fourth quarter of 1980.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	1ST Q 1981			2ND Q 1981			3RD Q 1981			4TH Q 1981			1ST Q 1982			2ND Q 1982		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC																		
YARN+MONOFILAMENTS	3.4	8.4	5.0 E	2.6	6.0	3.4 E	2.6	4.5	1.9 E	2.1	5.8	3.7 E	1.9	7.4	5.5 E	2.1	4.5	2.4 E
STAPLE+TOW[b]	4.0	15.9	11.9 E	4.0	16.3	12.3 E	4.5	15.0	10.5 E	4.3	15.0	10.7 E	3.9	14.7	10.8 E	2.7	14.9	12.2 E
WASTE	0.1	0.7	0.6 E	0.1	0.8	0.7 E	0.1	0.4	0.3 E	0.2	0.9	0.7 E	0.1	1.0	0.9 E	0.2	1.3	1.1 E
SUBTOTAL ABOVE	7.5	25.0	17.5 E	6.7	23.1	16.4 E	7.2	19.9	12.7 E	6.6	21.7	15.1 E	5.9	23.1	17.2 E	5.0	20.7	15.7 E
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	3.4	115.7	112.3 E	5.7	118.0	112.3 E	5.2	119.7	114.5 E	4.6	109.9	105.3 E	4.2	109.4	105.2 E	4.9	114.8	109.9 E
STAPLE+TOW	12.8	187.0	174.2 E	16.4	207.5	191.1 E	19.1	205.1	186.0 E	12.2	191.1	178.9 E	9.6	148.6	139.0 E	10.7	85.6	74.9 E
WASTE	11.9	25.7	13.8 E	11.0	27.9	16.9 E	12.5	25.0	12.5 E	14.4	28.7	14.3 E	10.3	28.5	18.2 E	10.4	23.9	13.5 E
SUBTOTAL ABOVE	28.1	328.4	300.3 E	33.1	353.4	320.3 E	36.8	349.8	313.0 E	31.2	329.7	298.5 E	24.1	286.5	262.4 E	26.0	224.3	198.3 E
TOTAL FIBER ABOVE[c]	35.6	353.4	317.8 E	39.8	376.5	336.7 E	44.0	369.7	325.7 E	37.8	351.4	313.6 E	30.0	309.6	279.6 E	31.0	245.0	214.0 E
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	1.2	2.3	1.1 E	0.7	2.8	2.1 E	1.1	3.2	2.1 E	0.7	2.7	2.0 E	1.0	2.5	1.5 E	0.3	1.2	0.9 E
SPUN YARNS	6.8	14.6	7.8 E	8.2	13.4	5.2 E	6.7	9.3	2.6 E	6.6	8.4	1.8 E	6.1	7.6	1.5 E	8.7	8.1	0.6 I
THROWN & CRAFT YARNS	0.7	1.5	0.8 E	0.8	1.3	0.5 E	0.6	1.2	0.6 E	0.8	1.5	0.7 E	0.6	1.4	0.8 E	0.6	1.6	1.0 E
TIRE CORD & FABRIC	-	14.0	14.0 E	-	12.4	12.4 E	0.1	11.8	11.7 E	0.2	9.9	9.7 E	0.1	8.6	8.5 E	-	7.7	7.7 E
WOVEN FABRIC	21.4	57.4	36.0 E	25.7	61.5	35.8 E	26.0	45.4	19.4 E	22.3	44.2	21.9 E	21.2	31.3	10.1 E	24.6	36.1	11.5 E
KNIT FABRIC	0.6	5.7	5.1 E	0.4	7.3	6.9 E	0.5	4.9	4.4 E	0.6	3.8	3.2 E	0.6	3.6	3.0 E	0.6	3.5	2.9 E
NARROW FABRIC	1.9	6.2	4.3 E	2.4	6.9	4.5 E	2.3	6.4	4.1 E	2.1	6.7	4.6 E	2.4	6.4	4.0 E	3.2	7.4	4.2 E
APPAREL - KNIT	32.8	33.0	50.3 I	47.2	35.1	74.0 I	60.7	27.8	111.3 I	44.0	24.8	80.6 I	34.2	21.5	81.2 I	45.7	21.4	97.5 I
NOT KNIT	50.5			61.9			78.4			61.4			68.5			73.2		
HOME FURNISHINGS	15.2	22.8	24.1 E	16.1	22.1	24.9 E	16.3	20.4	19.7 E	17.2	18.9	16.8 E	14.3	17.3	15.8 E	43.0	19.8	7.9 I
OTHER		16.5			18.9			15.6			15.1			12.8			15.3	
TOTAL MANUFACTURES	129.1	174.0	44.9 E	161.4	181.7	20.3 E	192.7	146.0	46.7 I	155.9	136.0	19.9 I	149.0	113.0	36.0 I	199.9	122.1	77.8 I
TOTAL MAN-MADE FIBER & MANUFACTURES	164.7	527.4	362.7 E	201.2	558.2	357.0 E	236.7	515.7	279.0 E	193.7	487.4	293.7 E	179.0	422.6	243.6 E	230.9	367.1	136.2 E
COTTON MANUFACTURES[e]	237.3	103.1	134.2 I	231.2	105.6	125.6 I	258.0	79.8	178.2 I	235.4	78.8	156.6 I	211.5	65.4	146.1 I	223.1	73.3	149.8 I
WOOL MANUFACTURES[f]	23.5	3.5	20.0 I	29.2	3.4	25.8 I	36.5	2.7	33.8 I	24.4	2.7	21.7 I	21.8	3.1	18.7 I	29.5	3.4	26.1 I

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Situation*, a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and non-cellulosic fibers only; textile glass fiber is excluded.

[a] **E** means a net export balance; **I** is a net import balance.

[b] Acetate tow is excluded.

[c] The fibers included are shown as "Total Man-Made Fiber Above" on pages 167 and 168 of this issue.

[d] Man-made fiber equivalent.

[e] Raw cotton equivalent. Data are similar to those on page 45 of the March 1982 *Organon*.

[f] Raw wool content. The data differ from those on page 45 of the March *Organon* to the extent that noils and waste are included here.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
ACETATE															
PRODUCTION	80.0	82.1	77.5	68.9	308.5	61.4	75.0	65.8	54.8	257.0	52.9	53.0			
SHIPMENTS DOMESTIC	72.0	71.5	64.7	59.7	267.2	55.4	69.0	57.0	45.4	226.8	44.0	47.1			
EXPORT	7.6	8.7	7.7	8.5	32.7	10.0	8.8	7.7	7.7	34.8	8.8	6.2			
TOTAL	80.7	80.0	72.4	68.2	301.0	66.0	78.7	65.3	53.1	263.1	53.7	53.3			
ENDING STOCK	13.1	12.6	17.7	18.4		15.8	12.1	12.6	14.3		15.5	15.2			
NYLON+ARAMID															
PRODUCTION	455.1	408.8	381.0	347.8	1631.1	435.1	428.0	403.0	315.7	1580.7	299.9	300.2			
SHIPMENTS DOMESTIC	416.0	350.0	347.7	424.3	1538.0	380.5	386.1	340.4	297.3	1404.3	281.0	280.7			
EXPORT	35.2	34.0	38.8	40.0	148.0	40.3	35.5	29.0	23.0	128.7	26.8	25.8			
TOTAL	451.2	384.0	386.5	464.3	1686.9	420.8	421.6	370.3	320.3	1533.0	308.4	324.5			
ENDING STOCK	162.5	179.7	125.1	110.0		118.9	125.8	158.0	152.4		143.8	152.5			
OLEFIN[b]															
PRODUCTION	166.1	232.8	146.8	164.5	652.2	165.9	165.0	168.5	150.5	642.9	154.3	140.9			
SHIPMENTS DOMESTIC	159.0	145.0	147.5	163.6	611.7	164.3	158.0	155.0	150.4	628.3	140.8	145.0			
EXPORT	0.2	5.3	4.4	4.5	20.7	4.9	5.7	4.6	4.6	19.8	4.7	3.8			
TOTAL	165.1	140.2	151.7	168.1	632.4	169.2	164.5	159.6	155.0	648.1	151.5	148.8			
ENDING STOCK	72.1	78.7	70.8	60.0		61.6	62.8	66.2	61.7		64.5	65.1			
POLYESTER															
PRODUCTION	398.2	388.7	337.0	380.2	1462.0	378.7	410.0	403.0	370.0	1560.2	331.5	318.1			
SHIPMENTS DOMESTIC	360.2	310.7	320.4	363.1	1305.4	354.1	402.5	364.8	318.6	1430.0	297.2	292.9			
EXPORT	34.4	41.0	28.6	29.1	133.1	30.3	31.9	34.1	37.7	134.0	34.9	35.8			
TOTAL	405.6	351.7	349.0	392.2	1498.5	384.4	424.4	398.9	356.3	1564.0	332.1	328.8			
ENDING STOCK	144.9	131.9	120.8	117.8		112.1	106.3	108.5	125.0		122.4	112.2			
TOTAL NON-CELLULOSIC ABOVE															
PRODUCTION	1017.4	880.8	810.0	1001.5	3725.5	977.7	1000.6	971.3	834.2	3792.8	785.7	774.2			
SHIPMENTS DOMESTIC	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	725.0	734.2			
EXPORT	75.8	80.3	71.8	73.9	301.8	75.3	73.1	68.0	65.3	282.5	66.4	62.9			
TOTAL	1017.9	885.8	887.2	1024.9	3815.8	974.4	1010.3	928.8	831.6	3745.1	792.0	797.1			
ENDING STOCK	476.3	388.8	312.7	280.8		292.6	291.9	334.4	337.0		330.7	307.8			
DOMESTIC SHIPMENTS	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	725.0	734.2			
IMPORTS TEXTURED YARN[c]	0.6	0.3	1.9	1.7	5.1	1.4	2.7	2.1	2.2	8.4	2.0	3.1			
OTHER YARN[c]	3.1	3.7	3.0	2.3	12.1	2.2	3.1	3.3	2.8	11.4	2.8	2.6			
MONOFILAMENTS	1.4	1.5	0.8	0.5	4.0	0.5	0.8	0.9	0.4	2.6	0.4	0.9			
TOTAL IMPORTS	5.1	5.9	5.7	4.5	21.2	4.1	6.6	6.3	5.4	22.4	5.2	6.6			
TOTAL AVAILABLE	947.2	811.4	821.1	955.5	3535.2	903.0	943.8	866.5	771.7	3485.0	730.8	740.8			
						TEXTILE GLASS FIBER									
PRODUCTION	242.8	226.0	188.8	217.7	867.3	237.1	266.2	280.6	263.2	1041.1	207.6	209.8			
SHIPMENTS DOMESTIC	249.7	181.2	182.4	255.8	867.1	222.4	273.8	239.0	228.6	963.8	190.5	214.8			
EXPORT	15.2	13.8	10.1	9.5	48.0	9.8	7.5	8.5	9.4	35.2	11.5	10.3			
TOTAL	264.9	195.0	192.5	265.3	915.7	232.2	281.3	247.5	238.0	999.0	202.0	225.1			
ENDING STOCK	129.9	158.0	140.7	104.1		109.0	87.0	121.0	140.2		151.8	136.5			
IMPORTS	2.0	2.0	1.7	1.6	7.3	2.6	2.7	7.4	5.5	18.2	3.8	3.2			
TOTAL AVAILABLE	251.7	183.2	184.1	259.4	874.4	225.0	276.5	246.4	234.1	982.0	194.3	218.0			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U. S. Census Bureau.

a. Data for rayon and "Other" non-cellulosic yarns (chiefly saran & spandex) are available annually only; see pages 20 & 21 of the February issue for further details on these yarns.

b. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

c. Yarn imports include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 20 & 21 of the February issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
								STAPLE+TOW^d							
RAYON															
PRODUCTION	126.0	115.4	101.0	102.0	444.4	116.5	114.1	118.9	111.7	461.2	96.2	86.7			
SHIPMENTS: DOMESTIC	114.2	92.6	87.3	86.6	380.7	100.2	104.5	100.7	91.5	396.9	75.6	69.6			
EXPORT	14.0	17.8	16.2	14.0	61.0	14.0	15.2	14.2	16.4	59.8	34.4	10.8			
TOTAL	128.2	110.4	103.5	100.6	441.7	114.2	119.7	114.9	107.9	456.7	110.0	80.4			
ENDING STOCK	54.8	57.3	54.8	27.2		29.8	25.7	27.3	31.1		30.8	36.4			
DOMESTIC SHIPMENTS	114.2	92.6	87.3	86.6	380.7	100.2	104.5	100.7	91.5	396.9	75.6	69.6			
IMPORTS FOR CONSUMPTION:															
STAPLE	1.4	1.3	2.4	2.9	8.0	3.6	3.3	3.9	3.8	14.6	5.0	2.4			
GROUPED FILAMENTS	0.7	0.7	0.3	0.6	2.3	0.4	0.7	0.6	0.5	2.2	0.8	0.4			
TOTAL IMPORTS	2.1	2.0	2.7	3.5	10.3	4.0	4.0	4.5	4.3	16.8	5.8	2.8			
TOTAL AVAILABLE	116.3	94.6	90.0	90.1	391.0	104.2	108.5	105.2	95.8	413.7	81.4	72.4			
NYLON+ARAMID															
PRODUCTION	214.0	128.5	161.2	225.1	728.8	214.7	235.2	183.8	123.9	757.6	140.5	160.8			
SHIPMENTS: DOMESTIC	171.9	133.2	187.6	218.5	711.2	204.8	215.9	155.4	120.3	696.4	141.9	170.8			
EXPORT	8.8	16.1	7.7	9.3	41.9	7.3	8.1	4.5	5.2	25.1	4.1	4.2			
TOTAL	180.7	149.3	195.3	227.8	753.1	212.1	224.0	159.9	125.5	721.5	146.0	175.0			
ENDING STOCK	84.3	73.3	39.2	34.5		57.8	48.5	72.4	64.8		39.9	55.6			
IMPORTS	0.3	0.5	0.3	0.6	1.7	4.9	6.6	9.3	2.8	23.6	1.0	0.7			
TOTAL AVAILABLE	172.2	133.7	187.9	219.1	712.9	209.7	222.5	164.7	123.1	720.0	142.9	171.5			
ACRYLIC+MODACRYLIC															
PRODUCTION	200.4	197.7	182.1	195.0	775.2	190.8	176.8	166.8	150.4	684.8	149.0	171.1			
SHIPMENTS: DOMESTIC	161.6	155.7	124.9	143.1	585.3	130.2	137.0	123.5	103.4	494.1	108.1	127.0			
EXPORT	50.6	43.9	47.1	44.2	185.8	55.1	50.3	42.5	52.5	200.4	46.4	41.9			
TOTAL	212.2	199.6	172.0	187.3	771.1	185.3	187.3	166.0	155.9	694.5	154.5	168.9			
ENDING STOCK	54.9	53.0	63.1	68.8		74.8	63.8	64.0	65.1		60.2	61.9			
IMPORTS	3.4	4.5	2.6	3.0	13.5	3.6	2.7	2.0	2.2	10.5	2.6	2.2			
TOTAL AVAILABLE	165.0	160.2	127.5	146.1	598.8	133.8	139.7	125.5	105.6	504.6	110.7	129.2			
OLEFIN+VINYON															
PRODUCTION	30.7	30.3	26.5	28.2	115.7	31.5	35.1	37.1	38.5	142.2	35.8	30.8			
SHIPMENTS: DOMESTIC	28.9	26.3	27.0	32.8	115.0	31.9	35.5	32.2	32.4	132.0	29.5	40.0			
EXPORT	1.4	0.5	1.0	0.8	3.7	0.4	0.3	0.4	0.4	1.5	0.5	0.5			
TOTAL	30.3	26.8	28.0	33.6	118.7	32.3	35.8	32.6	32.8	133.5	30.0	40.5			
ENDING STOCK	20.6	24.1	22.0	17.2		16.2	15.5	20.0	25.7		31.0	21.9			
POLYESTER															
PRODUCTION	654.3	583.2	580.6	695.6	2526.7	646.0	668.9	663.6	628.0	2606.5	538.7	499.0			
SHIPMENTS: DOMESTIC	563.1	485.8	466.8	557.3	2073.0	493.2	525.9	507.5	478.8	2005.4	437.3	445.3			
EXPORT	84.8	111.1	136.2	136.3	468.4	129.0	148.2	161.6	154.6	593.4	86.4	28.3			
TOTAL	647.9	596.9	603.0	693.6	2541.4	622.2	674.1	669.1	633.4	2598.8	523.7	473.6			
ENDING STOCK	185.6	173.9	160.5	160.5		190.3	185.1	179.6	174.2		189.2	175.2			
IMPORTS	0.4	0.3	0.3	0.3	1.3	0.5	1.9	1.8	2.4	6.6	1.9	1.7			
TOTAL AVAILABLE	563.5	486.1	467.1	557.6	2074.3	493.7	527.8	509.3	481.2	2012.0	439.2	447.0			
TOTAL NON-CELLULOSIC															
PRODUCTION	1105.4	940.5	950.4	1143.9	4148.2	1083.0	1116.0	1051.3	940.8	4191.1	860.6	830.8			
SHIPMENTS: DOMESTIC	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6	785.9			
EXPORT	145.6	161.6	192.0	190.6	689.8	191.8	206.9	209.0	212.7	820.4	137.5	72.6			
TOTAL	1071.1	960.6	998.3	1142.3	4172.3	1051.9	1121.2	1027.6	947.6	4148.3	854.1	858.5			
ENDING STOCK	345.4	324.3	285.4	287.0		318.1	312.9	336.0	329.8		340.3	312.0			
DOMESTIC SHIPMENTS	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6	785.9			
IMPORTS FOR CONSUMPTION:															
4 FIBERS ABOVE^e	4.1	5.2	3.3	3.9	16.5	9.0	11.2	13.1	7.4	40.7	4.9	3.6			
OTHER N-C STAPLE	3.9	3.4	3.1	4.2	14.6	2.4	3.3	4.0	1.0	10.7	1.8	3.8			
GROUPED FILAMENTS	1.6	1.3	0.6	1.0	4.5	1.3	2.0	2.1	2.6	8.0	2.9	3.1			
TOTAL IMPORTS	9.6	9.9	7.0	9.1	35.6	12.7	16.5	19.2	11.0	59.4	9.6	10.5			
TOTAL AVAILABLE	935.1	808.9	813.3	960.8	3518.1	872.8	930.8	837.8	745.9	3387.3	726.2	796.4			

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1982						6 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	1982	1981
CELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	0	15	0	0	0	141	156	409
MEXICO	155	76	157	75	115	92	670	801
AUSTRIA	0	20	0	451	225	85	781	11
GERMANY, FED. REP. OF	502	275	218	250	81	157	1483	2105
NETHERLANDS	86	77	17	50	53	30	322	1011
SPAIN	40	81	46	47	37	0	251	188
JAPAN	20	42	36	1	46	2	147	155
ALL OTHER COUNTRIES[a]	58	2	28	135	22	27	270	331
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**	**534**	**4080**	**5974**
CELLULOSIC STAPLE+TOW								
CANADA	155	107	191	129	170	96	848	2045
AUSTRIA	595	60	441	401	402	0	1899	2553
FRANCE	1	82	2	0	76	0	161	228
GERMANY, FED. REP. OF	42	44	45	0	0	65	196	385
SWEDEN	473	0	871	180	554	0	2078	1104
UNITED KINGDOM	117	2	108	78	110	0	415	900
AUSTRALIA	155	0	0	0	0	0	155	0
JAPAN	149	24	134	118	76	127	628	1570
ALL OTHER COUNTRIES[b]	0	80	1	44	29	38	192	364
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**	**326**	**6572**	**7995**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	295	156	101	444	456	595	2047	1420
COSTA RICA	117	27	0	0	27	0	171	0
FRANCE	128	114	79	100	55	17	493	912
GERMANY, FED. REP. OF	581	362	295	372	369	454	2433	2193
ITALY	24	2	175	1	10	18	230	420
UNITED KINGDOM	67	48	38	43	5	54	255	217
JAPAN	453	661	463	450	438	535	3000	3500
ALL OTHER COUNTRIES[c]	18	8	29	26	108	129	318	504
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**9147**	**9187**
NONCELLULOSIC STAPLE+TOW								
CANADA	439	510	804	219	476	305	2753	2797
MEXICO	177	27	57	79		75	415	1735
BELGIUM	34	31	1	12	0	0	78	554
FRANCE	219	194	444	308	301	247	1713	2554
GERMANY, FED. REP. OF	730	752	975	725	861	401	4444	6351
IRELAND	0	39	39	77	39	116	310	50
ITALY	58	23	153	115	63	76	488	2740
NETHERLANDS	141	89	58	43	19	0	350	213
ROMANIA	50	100	29	210	5	29	438	244
UNITED KINGDOM	195	250	259	238	412	181	1535	2291
JAPAN	588	461	510	401	520	612	3092	2844
TAIWAN	610	194	436	583	700	2041	4564	3981
ALL OTHER COUNTRIES[d]	16	5	1	17	28	91	158	255
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**20259**	**29195**

Other countries supplying 1982 poundages are:

a. Belgium 34, Brazil 82, France 66, Italy 8 & Rep. of Korea 80.

b. Finland 80, German Dem. Rep. 44, Mexico 39 & Netherlands 29.

c. Austria 10, Belgium 68, India 11, Ireland 1, Israel 1, Rep. of Korea 14, Mexico 55, Netherlands 28, Norfolk Is. 36, Portugal 18, Romania 1, Sweden 11, Switzerland 43 & Taiwan 21.

d. Austria 8, German Dem. Rep. 15, Hong Kong 1, Iceland 5, Israel 60, Poland 15 & Switzerland 54.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982 JAN	1982 FEB	1982 MAR	1982 APR	1982 MAY	1982 JUN	6 MONTHS 1982	6 MONTHS 1981
CELLULOSIC FIBERS									
YARN, SINGLES									
TEXTURED	310.0010 & 0250	5	0	28	35	6	27	101	257
OTHER	310.0130 & 0280[a]	856	586	474	981	573	505	3975	5714
MONOFILAMENTS	309.0010 & 3010	0	2	0	0	0		2	3
STRIPS ⅛ IN & UNDER	309.2000*	0	0	0	0	0	2	2	
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**	**534**	**4080**	**5974**
STAPLE	309.4320 & 4325	1510	409	1625	853	1210	246	5854	6879
GROUPED FILAMENTS	309.8010 & 3110	176		166	97	200	80	718	1116
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**	**326**	**6572**	**7995**
WASTE, ADVANCED & NOT ADVANCED	309.6035 & 7510	10	0	64	10	107	6	205	156
NONCELLULOSIC FIBERS									
YARN, SINGLES									
TEXTURED, NYLON	310.0020 & 0280	425	174	125	210	510	311	1760	2311
POLYESTER	310.0030 & 0260	251	45	7	3	88	11	418	228
OTHER	310.0040 & 0214	52	26	100	301	208	390	1080	170
OTHER, NYLON	310.0140 & 0240	111	211	278	190	102	400	1190	2240
POLYESTER	310.0150 & 0290	551	661	408	441	435	290	2750	2303
OTHER	310.0170 & 0270[b]	164	81	140	162	117	400	1063	874
MONOFILAMENTS	309.0260 & 3030[c]	140	150	157	145	80	105	803	1205
STRIPS OVER ⅛ IN	309.2105 & 2900*	51	15	56	21	15	21	157	98
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**9147**	**9187**
STAPLE, NYLON		302	208	400	510	84	276	1677	11471
POLYESTER	309.4352	487	517	458	577	436	507	2975	2420
ACRYLIC	309.4345	520	474	902	1007	809	524	4232	6341
OLEFIN	309.4360	1	50	1	55	80	27	122	380
OTHER	309.4355	800	292	581	653	1011	2145	5581	5524
GROUPED FILAMENTS									
NYLON	309.8080 & 3180	400	530	345	505	854	200	3080	1674
POLYESTER	309.8040 & 3140	0	0	17	1			18	170
ACRYLIC	309.8050 & 3150	207	570	553	240	408	558	2478	1412
OTHER	309.8065 & 3165	106	53	34	48	144	41	436	991
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**20259**	**29195**
WASTE, NOT ADVANCED, NYLON	309.6025	1882	1047	1838	2315	2285	2581	12548	11403
POLYESTER	309.6030	1398	775	1580	608	881	502	5444	8227
ACRYLIC	309.6045	0	184	9	50	294	195	741	1051
OTHER	309.6060	133	229	247	250	480	374	1819	1284
NOILS & GARNETTED FIBERS	309.6080 & 7860*	0	20	0	0	0	0	20	0
OTHER WASTE, ADVANCED	309.7525-7555	50	17	26	9	16	1	119	228
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**	**3453**	**20691**	**22831**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**	**10289**	**61010**	**75338**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN, PLIED									
TEXTURED, CELLULOSIC	310.1100	0	0		0	1	0	1	24
NONCELLULOSIC	310.1015[d] & 1105[e]	407	110	333	266	421	352	1889	1627
OTHER, CELLULOSIC	310.1030 & 1135[f]		0	67	0	16	28	117	16
NONCELLULOSIC	310.1050 & 1070[g]	200	18	13	54	29	121	435	141
SPUN YARN, CELLULOSIC	310.4005 & 4030[h]	28	0	18	20	32	7	105	172
OTHER	310.4015 & 4027[i]	1570	1253	1374	1784	2288	1940	10209	10220
OTHER YARNS, NES, INCL. CHENILLE	310.6020-8000	205	89	190	229	367	393	1473	2179
HANDWORK YARNS & SEWING THREAD	310.5000-5140	166	205	188	226	192	234	1209	1409
SLIVER, TOPS & ROVING	309.5000	454	309	201	115	79	133	1271	1803
TEXTILE GLASS FIBER	309.2800 & 2860[j]	1737	1092	1011	736	1033	1358	6967	5525
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**	**14855**	**84686**	**98318**

SOURCE: U.S. Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4040, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1981					1982				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC											
FILAMENT YARN[a]											
TEXTURED	[illegible]	93	75	72	117	357	132	72			
OTHER[b]	[illegible]	8191	5829	4280	5608	23914	7194	4450			
MONOFILAMENTS	[illegible]	47	30	9	4	90	2	9			
STRIPS	309.2210	60	79	95	106	340	60	5			
SUBTOTAL ABOVE		**8397**	**6013**	**4462**	**5835**	**24707**	**7394**	**4536**			
STAPLE+TOW - RAYON	309.4222	12222	14234	14309	14331	55096	13772	14001			
STAPLE - ACETATE	[illegible]	3692	2046	668	658	7064	919	931			
SUBTOTAL ABOVE		**15914**	**16280**	**14977**	**14989**	**62160**	**14691**	**14932**			
WASTE - ADVANCED & NOT ADVANCED	[illegible]	604	795	410	805	2614	1007	1202			
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	[illegible]	21787	17478	17056	12079	68400	10770	9643			
HIGH TENACITY[c]	[illegible]	18138	17554	11685	10023	57400	13520	12582			
OTHER	[illegible]	5461	4325	6280	3358	19424	3785	3540			
POLYESTER - TEXTURED	[illegible]	48758	58081	65307	64006	236152	65471	71864			
HIGH TENACITY[c]	[illegible]	4870	5364	6299	6907	23440	5134	3747			
OTHER[d]	[illegible]	2380	3063	3117	3190	11750	2002	4506			
OTHER - TEXTURED	[illegible]	4174	3082	2346	2149	11751	3255	2847			
OLEFIN	[illegible]	741	519	838	505	2603	224	447			
OTHER	[illegible]	1506	1452	1185	1090	5233	1371	1327			
MONOFILAMENTS ALL DENIERS											
NYLON	[illegible]	2387	1935	1879	1585	7786	1142	1119			
POLYESTER[e]	[illegible]	2816	1767	1302	1218	7103	1919	700			
OTHER	[illegible]	1289	1314	1614	2343	6560	2085	2025			
STRIPS	309.2250 & .2270	1366	1530	739	920	4555	709	654			
SUBTOTAL ABOVE		**115733**	**118054**	**119715**	**109922**	**463424**	**109366**	**114781**			
STAPLE - NYLON	309.4240	9443	7030	5848	5235	27556	4018	3094			
POLYESTER	309.4242	108893	138242	144558	130988	522681	90356	30164			
ACRYLIC	309.4245	41711	40137	39084	35729	156661	32810	31987			
OLEFIN	309.4246	664	451	270	373	1758	522	948			
OTHER	309.4247	5015	5800	3637	3581	18033	4395	4436			
GROUPED FILAMENTS											
NYLON	309.5230	1724	763	746	1328	4561	1539	1313			
POLYESTER[d]	309.5240	9508	6706	3802	6761	26777	9528	6684			
ACRYLIC	309.5250 & .5255	10076	8360	7144	7075	32655	5472	6303			
SUBTOTAL ABOVE		**187034**	**207469**	**205089**	**191090**	**790682**	**148640**	**85589**			
WASTE - ADVANCED & NOT ADVANCED											
NYLON	309.7620	3470	4141	3302	3025	13938	3542	2759			
POLYESTER	309.7630	11606	13086	12419	17006	54117	17204	14920			
ACRYLIC	309.7640	1874	1531	573	817	4795	574	651			
OTHER	[illegible]	8718	9165	8717	7817	34415	7140	5504			
TOTAL MAN-MADE FIBER ABOVE		**353439**	**376532**	**369670**	**351396**	**1451037**	**309564**	**244994**			
TEXTILE GLASS FIBER	309.2700 & .9700	10180	8611	8553	11590	38934	11318	11981			
GRAND TOTAL ABOVE		**363619**	**385143**	**378223**	**362986**	**1489971**	**320882**	**256975**			

SOURCE: U.S. Census Bureau Report.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of non-cellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

Textile
Organon

SPECIAL REPORT

The Impact Of Exports

Editor's Note — As the first in a series of special reports planned to appear periodically in the **Textile Organon**, *this report takes an objective look at the effects of exports on U.S. man made fiber capacity utilization rates. Structurally, it is a compilation of historical capacity, shipment and export data in the form of tabular and graphic displays designed to place exports into perspective. We feel this presentation can be an important tool to help the reader better understand the dynamics of the industry.*

Four tables comprise the the database for this report: Percent Change in Capacity 1979-1982, Analysis of Total & Domestic Shipments and Exports 1979-1982, Actual Capacity Summary and Total & Domestic Shipments as a Percentage of Capacity. It is encouraged that the database be used as a four page pull out from the ***Organon***.

Percent Change in Capacity 1979-1982, supplies the capacity data used in the calculation of utilization, along with percent changes from year to year.

For the purpose of the report, *November* Textile Economics Bureau capacity survey data are used as the annual capacity figures. The Actual Capacity Summary on page 172 of this issue, offers the May capacity survey results, which the reader may find useful in analyzing utilization rates.

The table on pages 170-171, Analysis of Total & Domestic Shipments and Exports 1979-1982, lists the total domestic and export shipment data from first quarter 1979 to second quarter 1982. In addition, the percent change in shipments from quarter to quarter are supplied, as well as the quarter by quarter percent shared by domestic and export shipments.

Total & Domestic Shipments as a Percentage of Capacity 1979-1982, page 172, presents the total and domestic shipment data as a percentage of capacity from quarter to quarter. These utilization rates are plotted on the accompanying graphs found on pages 173-179.

PERCENT CHANGE IN CAPACITY 1979-1982

FIBER & TYPE	NOV 1979	%ᵃ	NOV 1980	%ᵇ	NOV 1981	%ᵇ	MAY 1982	%ᵇ
YARN+MONOFILAMENTS								
ACETATE	355	+7.0	324	-8.7	332	+2.5	318	-4.2
NYLON+ARAMID								
INDUSTRIAL	513	[illegible]	515	+0.4	514	-0.2	518	+0.8
CARPET	950	+4.0	910	-4.2	898	-1.3	920	+2.4
TEXTILE	579	+2.5	551	-4.8	554	+0.5	544	-1.8
POLYESTER								
INDUSTRIAL	445	--	400	-10.1	516	+29.0	547	+6.0
TEXTILE	1099	+1.7	1057	-3.8	1157	+9.5	1265	+9.3
OLEFIN	922	+0.8	900	-2.4	980	+8.9	981	+0.1
STAPLE+TOW								
RAYON	671	[illegible]	514	-23.4	509	-1.0	510	+0.2
NYLON	1020	-0.3	991	-2.8	1010	+1.9	987	-2.3
ACRYLIC+MODACRYLIC	889	-3.0	880	-1.0	885	+0.6	841	[illegible]
POLYESTER	2678	+4.7	2750	+3.2	2839	+2.9	2817	-0.8
OLEFIN+VINYON	140	+13.2	151	+8.2	260	+68.5	275	+5.8

See footnotes page 170 (Actual Capacity Summary) for complete item descriptions.

-- means no change.

a. Percent change from November 1978 survey.

b. Percent change from previous November survey.

ANALYSIS OF TOTAL & DOMESTIC

MILLIONS OF

YEAR & QUARTER (Q)		YARN+MONOFILAMENTS														
		ACETATE			NYLON+ARAMID									POLYESTER		
					INDUSTRIAL			TEXTILE			CARPET			INDUSTRIAL		
		LBS	%a	%b	LBS	%a	%b	LBS	%a	%b	LBS	%a	%b	LBS	%a	%b
TOTAL SHIPMENTS																
1979	1Q	81.2	+10.6	100.0	132.9	+11.2	100.0	134.4	+1.2	100.0	173.1	+5.4	100.0	101.4	+11.4	100.0
	2Q	79.5	2.1	100.0	120.3	9.5	100.0	134.3	0.1	100.0	204.3	+18.0	100.0	98.0	3.3	100.0
	3Q	78.7	1.0	100.0	113.6	5.6	100.0	126.5	5.8	100.0	197.1	3.5	100.0	80.6	17.5	100.0
	4Q	80.8	+2.7	100.0	120.2	+5.8	100.0	126.6	+0.1	100.0	194.4	1.4	100.0	85.3	+5.8	100.0
1980	1Q	80.7	0.1	100.0	126.3	+5.1	100.0	131.7	+4.0	100.0	193.2	0.6	100.0	82.4	3.4	100.0
	2Q	80.6	0.1	100.0	100.2	20.7	100.0	119.3	9.4	100.0	165.4	14.4	100.0	63.9	22.4	100.0
	3Q	72.4	10.2	100.0	99.9	0.3	100.0	104.6	12.3	100.0	182.0	+10.0	100.0	66.2	+3.6	100.0
	4Q	68.2	5.8	100.0	120.2	+20.3	100.0	127.8	+22.2	100.0	216.3	+18.8	100.0	81.8	+23.6	100.0
1981	1Q	64.0	6.1	100.0	106.1	11.7	100.0	118.5	7.3	100.0	196.2	9.3	100.0	75.6	7.6	100.0
	2Q	78.7	+23.0	100.0	102.5	3.4	100.0	119.1	+0.5	100.0	200.0	+1.9	100.0	77.7	+2.8	100.0
	3Q	65.3	17.0	100.0	101.3	1.2	100.0	111.4	6.5	100.0	157.8	21.1	100.0	78.9	+1.5	100.0
	4Q	53.1	18.7	100.0	93.0	8.2	100.0	104.3	6.4	100.0	123.0	22.0	100.0	74.9	5.1	100.0
1982	1Q	53.7	+1.1	100.0	86.9	6.6	100.0	91.9	11.9	100.0	129.6	5.4	100.0	74.8	0.1	100.0
	2Q	53.3	0.7	100.0	85.4	1.7	100.0	89.1	3.0	100.0	145.6	+12.3	100.0	76.6	+2.4	100.0
DOMESTIC SHIPMENTS																
1979	1Q	71.8	+8.5	88.4	112.4	+11.3	84.6	128.8	+1.8	95.8	164.1	+4.5	94.8	95.4	+10.3	94.1
	2Q	72.2	+0.6	90.8	101.0	10.1	84.0	126.2	2.0	94.0	196.8	+19.9	96.3	89.7	6.3	91.5
	3Q	72.0	0.3	91.5	92.3	8.6	81.2	119.9	5.0	94.8	187.9	4.5	95.3	70.4	21.5	87.3
	4Q	72.4	+0.5	89.6	96.9	+5.0	80.6	121.3	+1.2	95.8	183.7	2.2	94.5	75.4	+7.1	88.4
1980	1Q	72.9	+0.7	90.3	106.4	+9.8	84.2	126.1	+4.0	95.7	183.5	0.1	95.0	71.8	4.8	87.1
	2Q	71.9	1.4	89.2	79.5	25.3	79.3	113.9	9.7	95.5	157.5	14.2	95.2	52.0	27.6	81.4
	3Q	64.7	10.0	89.4	78.7	1.0	78.8	99.7	12.5	95.3	169.5	+7.5	93.0	59.7	+14.8	90.2
	4Q	59.7	7.7	87.5	98.5	+25.2	81.9	121.6	+22.0	95.1	204.2	+20.6	94.4	73.1	+22.4	89.4
1981	1Q	53.4	10.5	83.4	85.1	13.6	80.2	111.4	8.4	94.0	184.0	9.9	93.8	68.2	6.7	90.2
	2Q	69.9	+30.9	88.8	86.1	+1.2	84.0	113.1	+1.5	94.7	186.9	+1.6	93.4	71.5	+4.8	92.0
	3Q	57.6	17.6	88.2	87.5	+1.6	86.4	106.5	5.8	95.6	146.6	21.6	92.9	73.5	+2.8	93.1
	4Q	45.4	21.2	85.5	79.5	9.1	85.5	101.7	4.5	97.5	116.1	20.8	94.4	68.7	6.5	91.7
1982	1Q	44.9	1.1	83.6	71.1	10.6	81.8	89.2	12.3	97.1	123.6	+6.5	95.4	68.2	0.7	91.2
	2Q	47.1	+4.9	88.4	68.4	3.8	80.1	86.9	2.6	97.5	141.4	+14.4	97.1	70.1	+2.8	91.5
EXPORTS																
1979	1Q	9.4	+30.5	11.6	20.5	+10.8	15.4	5.6	11.1	4.2	9.0	+60.7	5.2	6.0	+33.3	5.9
	2Q	7.3	22.3	9.2	19.3	5.8	16.0	8.1	+44.0	6.0	7.5	16.7	3.7	8.3	+38.3	8.5
	3Q	6.7	8.2	8.5	21.3	+10.4	18.8	6.6	18.5	5.2	9.2	+22.7	4.7	10.2	+22.9	12.7
	4Q	8.4	+25.3	10.4	23.3	+9.4	19.4	5.3	19.7	4.2	10.7	+16.3	5.5	9.9	2.9	11.6
1980	1Q	7.8	7.1	9.7	19.9	14.6	15.8	5.6	5.7	4.3	9.7	9.3	5.0	10.6	+7.1	12.9
	2Q	8.7	+11.5	10.8	20.7	+4.0	20.7	5.4	3.6	4.5	7.9	18.5	4.8	11.9	+12.3	18.6
	3Q	7.7	11.5	10.6	21.2	+2.4	21.2	4.9	9.3	4.7	12.7	+60.8	7.0	6.5	45.4	9.8
	4Q	8.5	+10.4	12.5	21.7	+2.4	18.1	6.2	+26.5	4.9	12.1	4.7	5.6	8.7	+33.8	10.6
1981	1Q	10.6	+24.7	16.6	21.0	3.2	19.8	7.1	+14.5	6.0	12.2	+0.8	6.2	7.4	14.9	9.8
	2Q	8.8	17.0	11.2	16.4	21.9	16.0	6.0	15.5	5.3	13.1	+7.4	6.6	6.2	16.2	8.0
	3Q	7.7	12.5	11.8	13.8	15.8	13.6	4.9	18.3	4.4	11.2	14.5	7.1	5.4	12.9	6.9
	4Q	7.7	—	14.5	13.5	2.2	14.5	2.6	46.9	2.5	6.9	38.4	5.6	6.2	+14.8	8.3
1982	1Q	8.8	+14.3	16.4	15.8	+17.0	18.2	2.7	+3.8	2.9	6.0	13.0	4.6	6.6	+6.4	8.8
	2Q	6.2	29.5	11.6	17.4	+10.1	19.9	2.2	18.5	2.5	4.2	30.0	2.9	6.5	1.5	8.5

See footnotes page 170, Actual Capacity Summary, for complete item descriptions.

NA means not available.

-- means no change.

a. Percent change from quarter to quarter. First quarter 1979 percentages are the percent changes from fourth quarter 1978.

b. Percent of total shipments.

BEST AVA

HIPMENTS AND EXPORTS 1979-1982

NDS & *Percent*

					STAPLE+TOW															
XTILE		OLEFIN			RAYON			NYLON+ ARAMID			ACRYLIC+ MODACRYLIC			POLYESTER			OLEFIN+ VINYON					
%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]			
2.3	100.0	156.2	+2.7	100.0	145.9	3.3	100.0	257.3	+1.6	100.0	186.9	+5.0	100.0	622.7	+10.6	100.0	31.2	+3.1	100.0			
1.2	100.0	164.0	+5.0	100.0	152.8	7.7	100.0	243.3	+2.5	100.0	202.6	+8.4	100.0	605.2	3.1	100.0	31.7	+5.1	100.0			
7.2	100.0	159.4	3.3	100.0	133.7	10.7	100.0	236.2	2.9	100.0	186.6	7.9	100.0	605.0	3.1	100.0	29.4	7.2	100.0			
1.0	100.0	164.8	+3.4	100.0	132.1	1.2	100.0	227.7	3.6	100.0	194.3	+4.0	100.0	638.3	+5.5	100.0	31.8	+7.3	100.0			
0.7	100.0	165.1	1.0	100.0	128.2	2.9	100.0	180.7	20.6	100.0	212.2	+0.4	100.0	647.0	+1.5	100.0	30.5	3.8	100.0			
0.4	100.0	149.2	8.5	100.0	110.4	13.9	100.0	191.3	22.9	100.0	199.6	8.0	100.0	594.0	8.2	100.0	29.8	11.3	100.0			
1.7	100.0	151.7	+1.7	100.0	103.5	6.2	100.0	195.3	+40.2	100.0	172.0	13.8	100.0	605.0	+1.4	100.0	28.0	+4.5	100.0			
0.8	100.0	168.4	+11.0	100.0	109.6	+5.9	100.0	227.8	+16.0	100.0	187.3	+8.0	100.0	695.6	+15.0	100.0	55.0	+20.0	100.0			
1.5	100.0	169.2	+0.5	100.0	114.2	+4.2	100.0	212.1	6.0	100.0	185.3	1.1	100.0	622.2	10.1	100.0	32.3	3.3	100.0			
2.3	100.0	164.3	2.0	100.0	119.7	+4.8	100.0	224.0	+5.6	100.0	187.3	+1.1	100.0	674.1	+8.1	100.0	35.8	+10.8	100.0			
7.7	100.0	159.6	2.9	100.0	114.9	4.0	100.0	159.9	28.6	100.0	160.0	11.4	100.0	609.1	10.7	100.0	32.0	8.3	100.0			
2.1	100.0	155.0	2.0	100.0	107.9	6.1	100.0	125.5	21.5	100.0	155.9	0.1	100.0	655.4	5.3	100.0	32.8	1.0	100.0			
8.0	100.0	151.5	2.3	100.0	91.0	15.7	100.0	140.0	+10.3	100.0	154.5	0.0	100.0	524.7	17.3	100.0	20.0	38.6	100.0			
2.2	100.0	149.4	1.4	100.0	80.6	4.8	100.0	175.0	+10.0	100.0	168.4	49.6	100.0	475.6	20.6	100.0	40.8	+33.4	100.0			
.00	92.4	150.0	+1.8	96.4	117.6	+7.8	81.7	290.1	+1.3	97.0	136.7	+7.8	72.1	547.6	+8.2	86.3	30.1	+5.8	96.7			
.08	92.0	161.3	+0.4	97.2	110.3	6.2	83.1	235.9	+2.5	97.0	146.3	+8.6	72.2	545.4	+1.1	90.1	31.3	+4.1	99.0			
.01	89.2	154.0	3.0	96.6	105.9	4.0	79.2	227.8	3.4	96.4	125.6	14.1	67.3	522.8	1.8	86.4	28.0	10.8	95.2			
.28	90.5	150.3	+3.4	96.7	108.6	+2.5	82.2	219.3	5.7	96.3	140.0	+11.5	72.1	550.6	+1.5	81.1	29.8	+6.4	94.0			
.30	92.6	156.0	1.5	96.2	114.2	+5.2	89.1	171.9	21.6	95.1	161.6	+15.4	76.1	563.1	+0.1	86.9	28.0	3.0	95.4			
.10	89.9	145.9	8.3	96.4	92.6	18.9	84.0	135.2	22.5	95.6	155.7	3.6	78.0	485.8	14.1	81.3	20.3	3.0	95.1			
.08	92.2	147.3	+2.4	97.1	87.3	5.7	84.3	187.0	+30.8	96.1	124.9	19.8	72.6	400.8	3.5	77.4	27.0	+2.7	96.4			
1.2	93.4	163.6	+11.1	97.1	96.0	+10.0	88.1	218.5	+16.5	95.9	145.1	+14.6	76.4	557.3	+10.4	80.1	32.8	+20.5	97.6			
1.4	92.6	164.3	+0.4	97.1	100.2	+3.7	87.7	201.8	6.3	90.0	130.2	9.0	70.1	403.2	11.3	70.1	31.0	2.7	96.6			
2.4	92.6	158.0	3.5	96.5	104.5	+4.3	87.1	215.9	+5.4	90.4	187.0	+5.2	78.1	535.0	+0.6	78.0	35.5	+11.1	99.2			
0.2	91.0	155.0	2.1	97.1	100.7	3.6	87.6	155.4	28.0	97.2	123.5	19.8	74.4	507.5	3.8	75.8	32.2	0.1	98.5			
1.2	88.8	150.4	3.0	97.0	91.5	9.1	84.8	120.3	22.6	95.9	103.4	16.3	66.3	478.8	5.6	73.0	32.4	0.0	98.8			
8.4	89.0	146.8	2.4	96.9	77.6	15.2	85.3	141.0	+17.0	97.2	108.3	+4.5	70.0	457.3	8.7	85.8	20.3	0.0	98.0			
2.9	88.4	NA	NA	NA	69.8	10.0	80.0	170.8	+20.4	97.6	127.0	+18.3	75.5	425.4	+1.8	90.0	30.4	+36.2	98.5			
24.1	7.6	5.0	+30.0	3.6	26.3	13.2	18.3	7.2	+60.0	3.0	52.2	1.7	27.9	85.1	+33.5	13.7	0.1	50.0	3.3			
.00	8.0	4.6	17.9	2.8	22.5	14.4	16.9	7.4	+2.8	3.0	56.3	+7.8	27.8	90.8	29.7	15.0	0.3	+200.0	1.0			
25.3	10.8	5.4	+17.4	3.4	27.8	+23.5	20.8	8.4	+13.5	3.6	61.0	+8.3	32.7	82.2	+37.8	13.6	1.4	+366.7	4.8			
11.4	9.5	5.5	+1.8	3.5	23.5	15.5	17.8	8.5	1.2	3.7	54.1	11.3	27.9	107.7	+31.0	16.0	1.7	+21.4	5.4			
21.4	7.4	6.2	+12.7	3.8	14.0	40.4	10.9	8.8	+0.0	4.9	50.6	6.5	21.9	84.8	21.3	13.1	1.4	17.6	4.6			
22.3	10.1	5.3	14.5	3.6	17.8	+27.1	16.1	6.1	30.7	4.4	43.9	13.2	22.0	111.1	+31.0	18.7	0.5	64.3	1.7			
24.0	7.8	4.4	17.0	2.9	16.2	9.0	15.7	7.7	+26.2	3.9	47.1	+7.3	27.4	136.2	+22.6	22.6	1.0	+100.0	3.0			
7.7	6.6	4.8	9.1	2.9	13.0	19.7	11.9	9.3	+20.8	4.1	44.2	6.2	23.6	136.5	0.1	19.7	0.8	20.0	2.4			
12.2	7.4	4.9	+2.1	2.9	14.0	+7.7	12.3	7.3	21.5	3.4	55.1	+26.7	29.7	120.6	5.1	20.7	0.4	50.0	1.2			
12.2	7.4	5.7	+16.3	3.5	15.2	+8.6	12.7	8.1	+11.0	3.6	50.3	8.7	26.9	148.2	+14.9	22.0	0.3	25.0	0.8			
11.7	9.0	4.6	19.3	2.9	14.2	6.6	12.4	3.5	44.4	2.8	42.5	15.5	25.6	161.6	+9.6	24.2	0.4	+33.3	1.2			
9.8	11.2	4.6		3.0	16.4	+15.5	15.2	5.2	+15.5	4.1	52.3	+23.5	33.7	154.0	4.3	24.4	0.4		1.2			
10.2	11.0	4.7	+2.2	3.1	13.4	18.3	14.7	4.1	21.1	2.8	40.4	11.6	30.0	80.4	44.1	16.8	0.0	+500.0	2.0			
3.5	11.6	NA	NA	NA	16.8	+25.4	19.4	1.2	2.4	2.4	41.5	10.6	24.5	28.5	67.2	6.0	0.0		1.3			

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ACTUAL CAPACITY SUMMARY

ANNUAL RATE 1979-1982

DATE OF SURVEY	YARN+MONOFILAMENTS						
	ACETATE[a]	NYLON			POLYESTER		OLEFIN[b]
		IND	TEXT	CARP	IND	TEXT	TOTAL
MAY 1979	526	522	573	935	442	1042	908
NOV 1979	555	513	579	950	445	1099	922
MAY 1980	560	519	583	951	446	1040	930
NOV 1980	524	515	551	910	400	1057	900
MAY 1981	525	516	556	877	589	1451	959
NOV 1981	532	514	555	893	516	1481	989
MAY 1982	518	518	532	920	557	1265	991

DATE OF SURVEY	STAPLE+TOW				
	RAYON	NYLON+ ARAMID	ACRYLIC+ MOD-ACRYLIC	POLYESTER	OLEFIN+ VINYON
MAY 1979	671	1050	855	2637	156
NOV 1979	671	1020	839	2673	146
MAY 1980	514	991	848	2733	152
NOV 1980	514	991	850	2759	154
MAY 1981	514	970	850	2716	245
NOV 1981	500	1010	835	2859	260
MAY 1982	510	987	844	2817	275

IND means industrial yarn and monofil, i.e., with an Instron tenacity of 7 grams per denier or more.

TEXT means yarn & monofil for other (textile) applications. Included is low denier industrial yarn.

CARP means bulked continuous filament yarn for carpets.

a. The data do not include the poundages of acetate tow for cigarette filtration.

b. Olefin includes polyethylene & polypropylene, but not data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbon, etc. Total includes yarn, monofil and film fiber; monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene and film fiber includes slit and split or fibrillated film.

TOTAL & DOMESTIC SHIPMENTS AS A PERCENTAGE OF CAPACITY[a]

PERCENT

YEAR & QUARTER (Q)		YARN+MONOFILAMENTS							STAPLE+TOW				
		ACETATE	NYLON+ARAMID			POLYESTER		OLEFIN	RAYON	NYLON+ ARAMID	ACRYLIC+ MOD-ACRYLIC	POLYESTER	OLEFIN+ VINYON
			INDUSTRIAL	TEXTILE	CARPET	INDUSTRIAL	TEXTILE						
TOTAL SHIPMENTS													
1979	1Q	91.5	103.6	92.8	72.9	91.5	79.2	67.8	85.8	93.1	89.1	93.2	82.7
	2Q	89.6	93.8	92.8	80.0	88.5	80.1	71.5	79.2	95.4	90.6	90.3	80.8
	3Q	88.7	88.6	87.4	83.0	72.8	74.3	69.1	79.7	92.6	89.0	90.5	80.5
	4Q	91.0	93.7	87.5	81.8	77.6	75.1	71.5	78.7	89.3	92.3	95.5	86.3
1980	1Q	99.6	98.1	95.6	83.9	82.4	78.5	72.5	99.8	72.9	102.3	93.9	90.4
	2Q	99.5	77.8	86.0	72.7	65.9	70.3	66.5	85.9	56.2	96.2	86.2	80.0
	3Q	89.4	77.6	75.9	80.0	60.2	69.1	67.4	80.5	78.8	82.9	87.4	85.0
	4Q	81.2	93.4	92.8	95.1	81.8	75.8	74.8	85.3	91.9	90.3	100.6	100.3
1981	1Q	77.1	82.0	85.7	87.9	95.7	85.4	68.4	89.7	84.0	88.8	87.7	48.6
	2Q	91.8	70.8	80.1	89.0	98.5	93.6	66.4	94.1	88.7	89.7	95.0	53.8
	3Q	78.7	78.8	80.0	70.7	99.0	80.4	61.5	90.3	65.5	70.5	94.3	49.0
	4Q	66.0	72.4	75.4	55.1	94.8	76.0	62.7	84.8	49.7	74.7	89.2	49.3
1982[b]	1Q	67.5	67.1	69.1	56.5	93.2	81.4	61.1	71.4	59.2	73.2	74.4	45.5
	2Q	67.0	65.9	67.0	65.3	95.4	70.0	60.3	67.9	70.9	80.3	67.2	58.9
DOMESTIC SHIPMENTS													
1979	1Q	80.9	87.6	89.0	69.1	86.1	75.1	65.3	70.1	90.2	64.2	80.4	82.5
	2Q	81.3	78.7	87.2	82.9	81.0	73.7	69.5	65.7	92.5	69.7	81.3	80.0
	3Q	81.1	72.0	82.8	70.1	65.6	66.3	66.8	65.1	89.3	59.9	78.2	76.7
	4Q	81.6	75.5	83.8	77.3	68.1	68.9	69.1	64.7	85.0	66.7	79.4	81.6
1980	1Q	90.0	82.6	91.5	80.7	71.8	72.7	69.7	88.9	69.4	77.9	81.6	80.5
	2Q	88.8	61.7	82.7	69.2	52.0	63.2	65.9	72.1	55.8	75.0	70.1	78.5
	3Q	79.9	61.1	72.4	74.4	50.7	65.7	65.5	67.9	75.7	60.2	67.7	80.0
	4Q	73.7	76.5	88.5	89.8	75.1	70.9	72.7	75.2	88.2	69.0	80.8	67.9
1981	1Q	64.5	66.2	80.6	82.4	80.5	77.2	66.4	78.7	81.1	62.4	69.5	48.0
	2Q	84.2	67.0	81.8	83.7	90.5	80.7	64.1	82.1	85.5	65.6	74.1	55.4
	3Q	69.4	68.1	77.0	65.7	95.0	78.7	62.7	79.1	61.5	59.2	71.5	48.4
	4Q	54.7	61.9	73.6	52.0	87.0	67.5	60.8	71.9	47.6	49.5	67.5	48.7
1982[b]	1Q	56.5	54.9	67.1	53.7	80.9	72.4	59.2	60.9	57.5	51.2	62.1	42.6
	2Q	59.2	52.8	65.3	61.5	85.2	70.3	NA	54.7	69.2	60.6	65.2	58.0

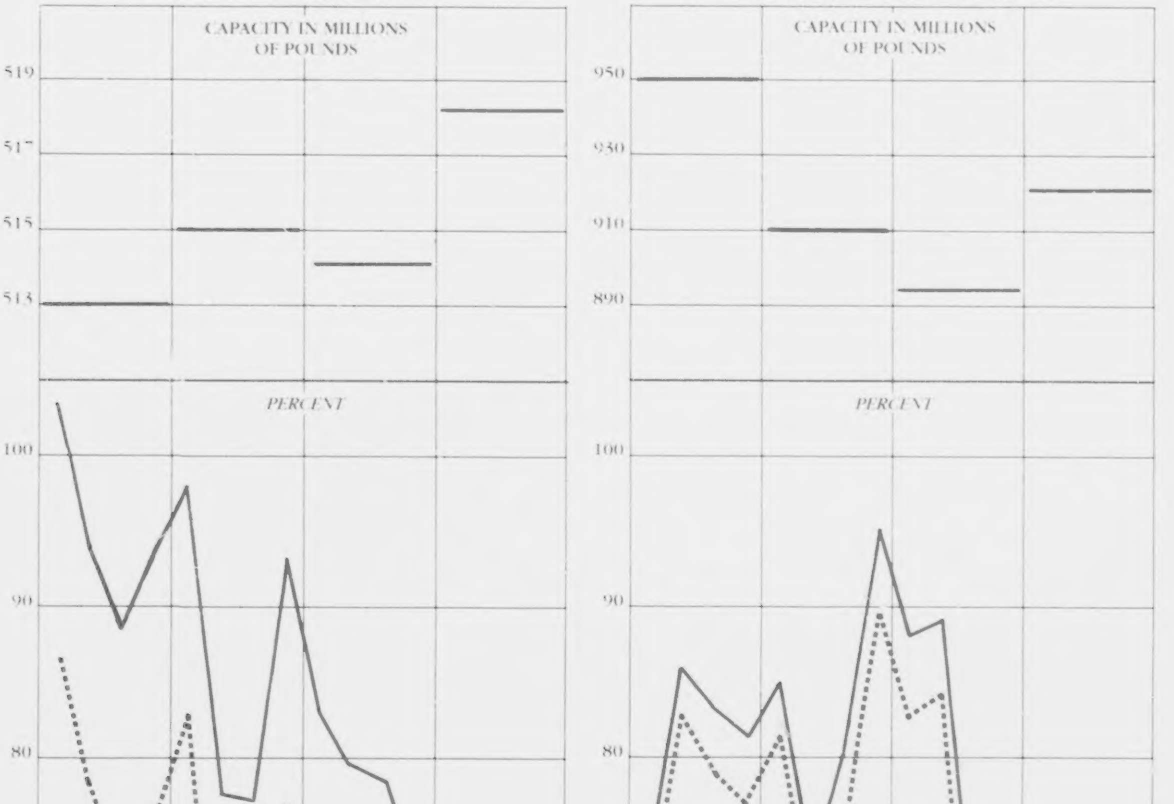
See footnotes above, Actual Capacity Summary, for complete item descriptions.

NA means not available.

a. Percentages are tabulated from the shipment table on pages 168-169 and the capacity table above.

b. Both first and second quarter data are tabulated using the capacity survey of May 1982.

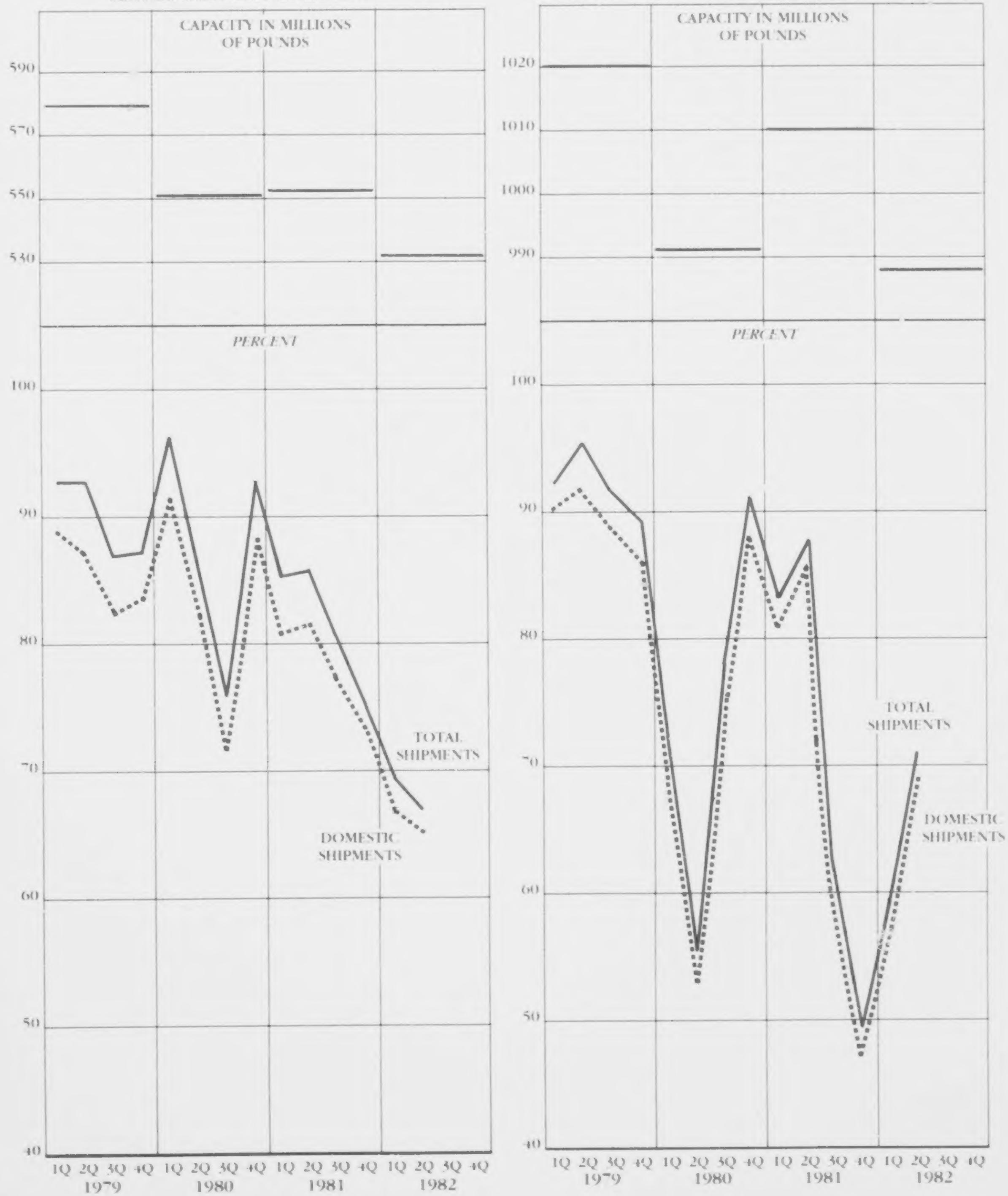
NYLON CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY



INDUSTRIAL YARN+MONOFILAMENTS

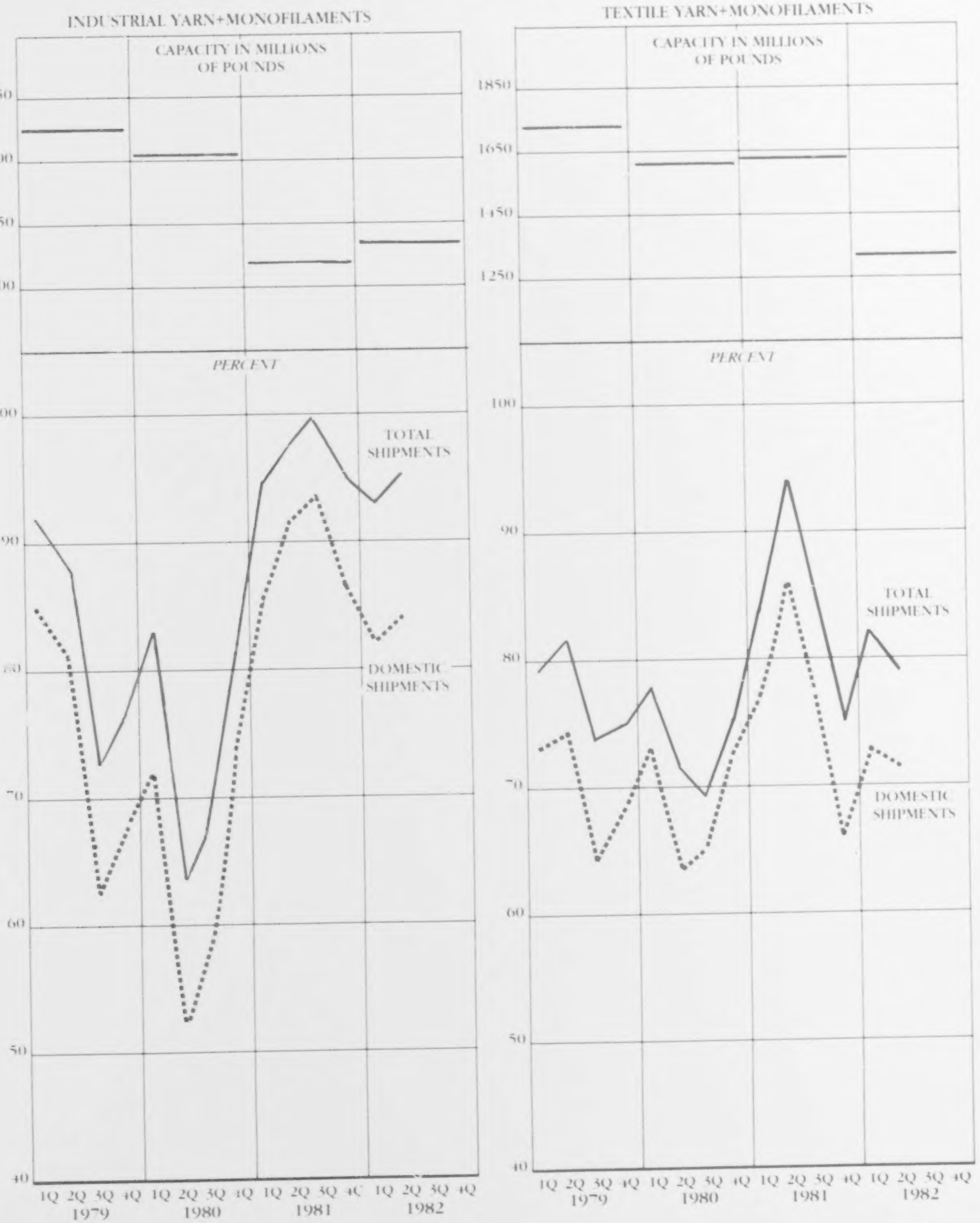
CARPET YARN+MONOFILAMENTS

NYLON CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY *(Contd.)*


TEXTILE YARN+MONOFILAMENTS

STAPLE+TOW

POLYESTER CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY

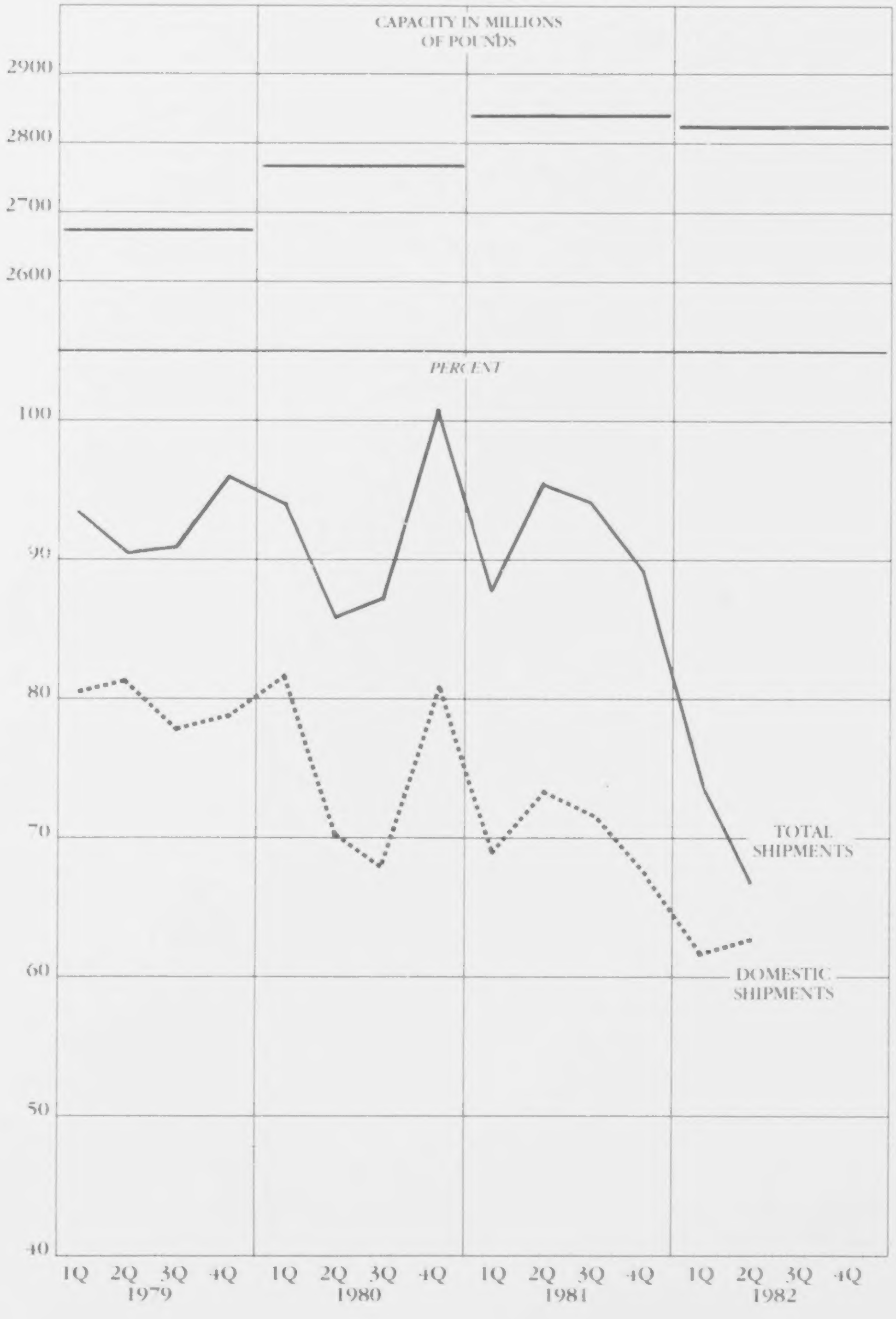


INDUSTRIAL YARN+MONOFILAMENTS

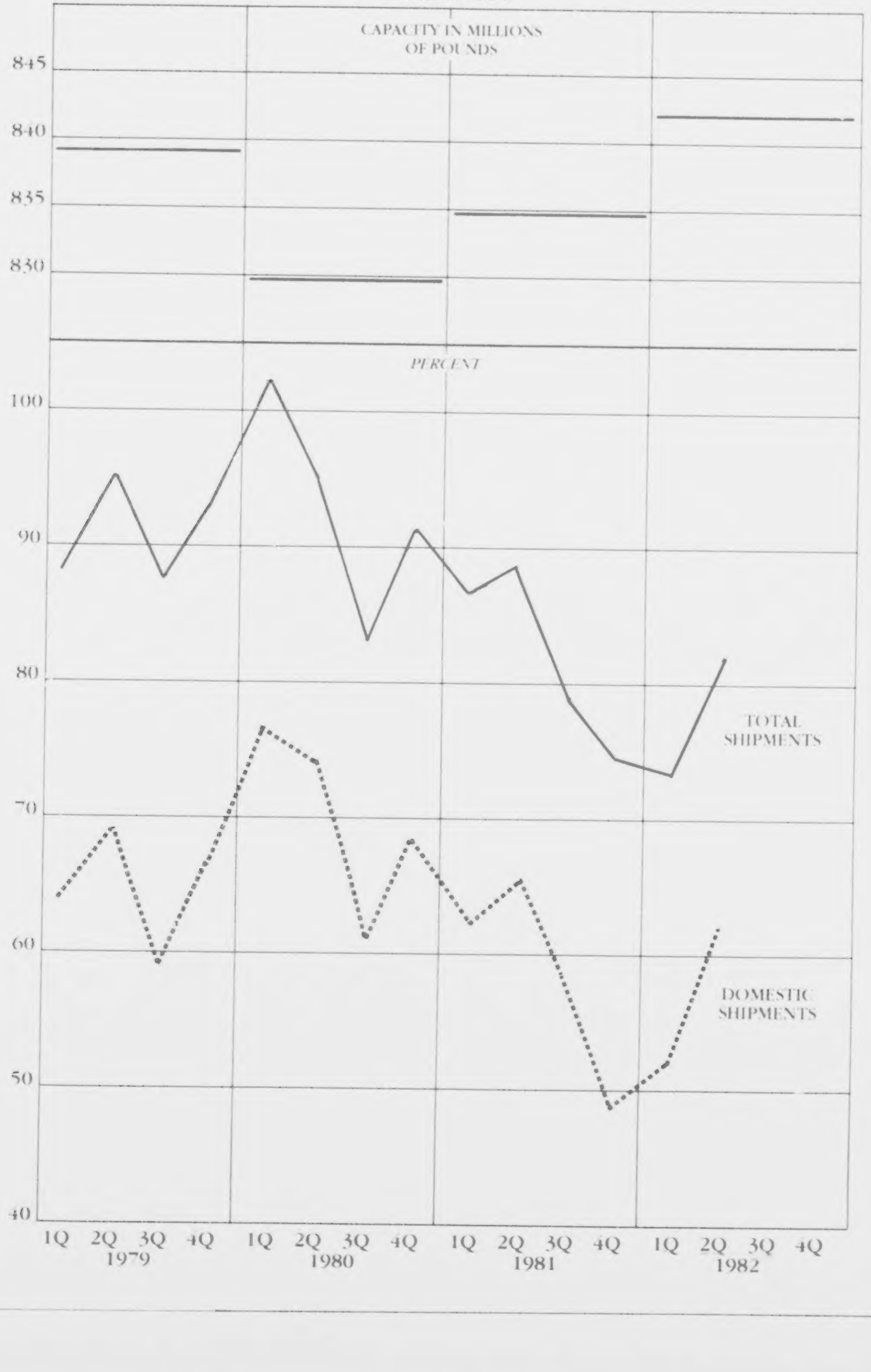
TEXTILE YARN+MONOFILAMENTS

POLYESTER CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY *(Contd.)*

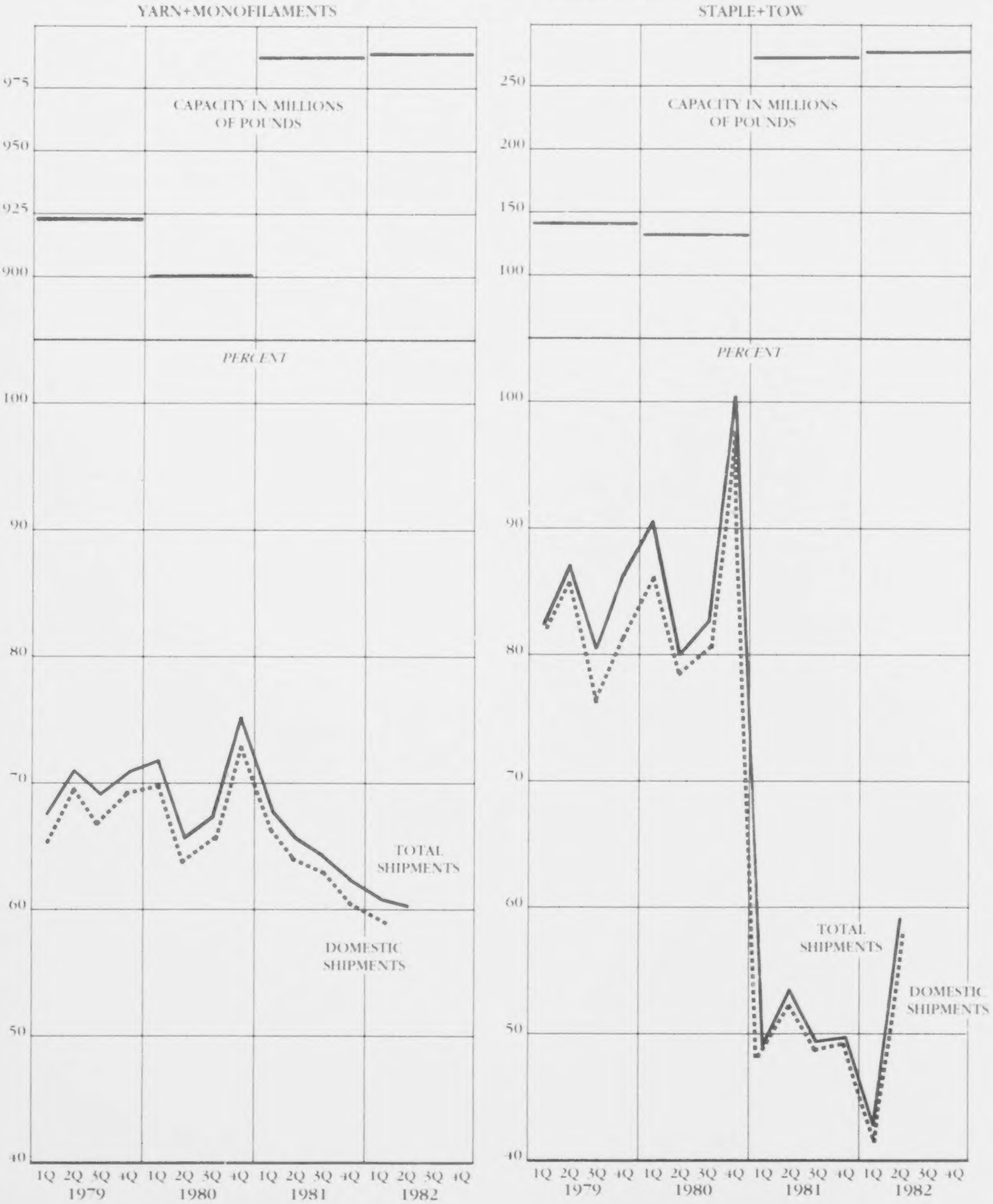
STAPLE+TOW



ACRYLIC+MODACRYLIC CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY
STAPLE+TOW



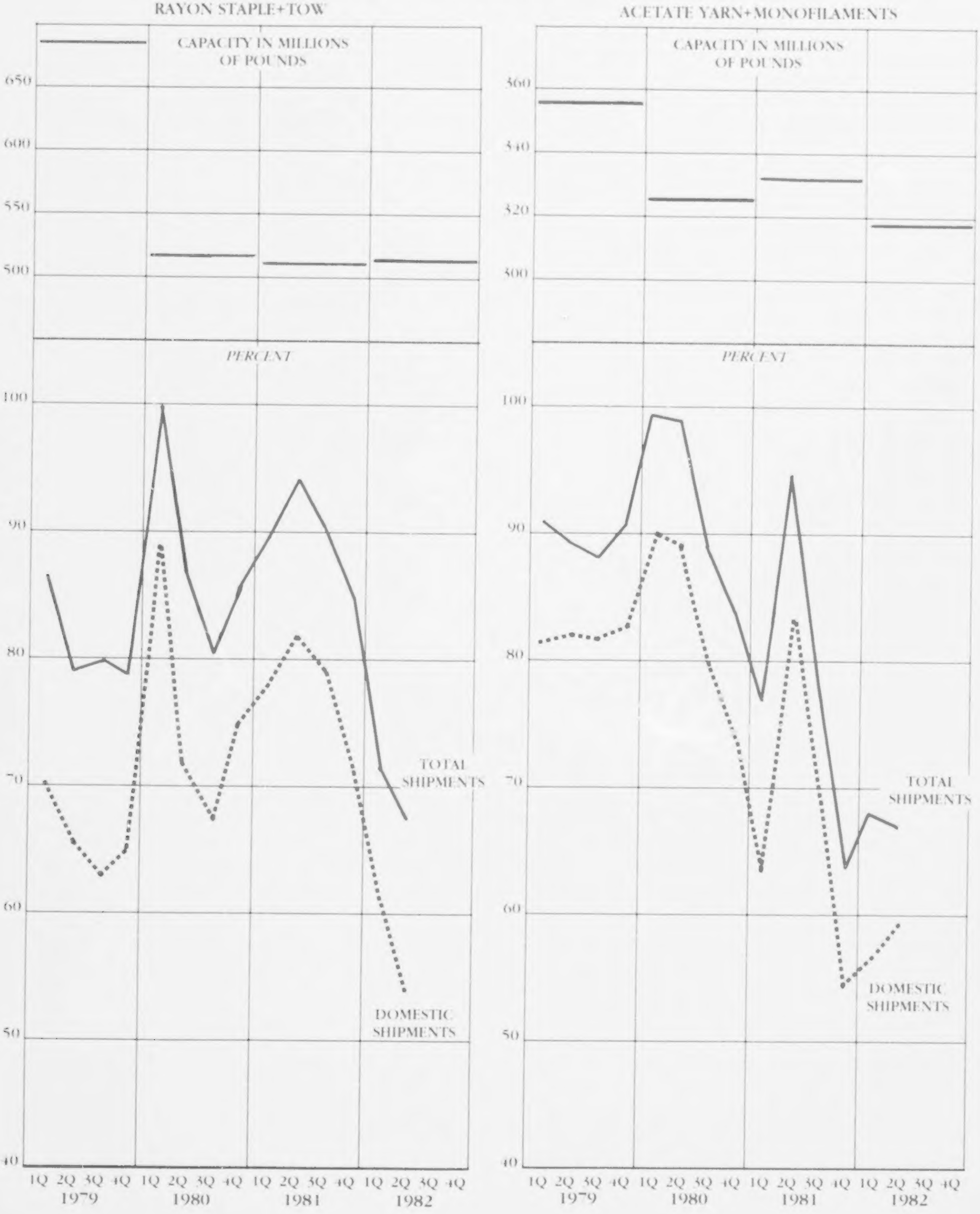
OLEFIN CAPACITY & SHIPMENTS AS A PERCENTAGE OF CAPACITY



YARN+MONOFILAMENTS

STAPLE+TOW

RAYON+ACETATE SHIPMENTS AS A PERCENTAGE OF CAPACITY



RAYON STAPLE+TOW

ACETATE YARN+MONOFILAMENTS

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**12.2**						**119.2**	**167.3**
NYLON[e] INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	23.5						196.2	239.2
LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	1.9						16.8	20.7
CARPET	40.3	43.3	46.0	46.1	51.2	48.3	42.6						317.8	453.0
TEXTILE	27.9	27.0	29.5	28.4	26.6	26.7	21.4						187.5	251.1
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	21.8						173.2	179.7
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	1.5						13.0	17.3
TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	61.2						558.7	742.8
OLEFIN[h]	50.1	50.4	51.0	49.3	48.9	50.1	49.5						349.3	387.0
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.5**	**259.7**	**263.9**	**223.4**						**1812.5**	**2290.8**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**25.2**						**202.8**	**273.3**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	51.4						372.4	498.3
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	47.6						371.5	424.5
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	129.3						1126.6	1509.1
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	11.6						82.0	78.8
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**239.9**						**1952.5**	**2510.7**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**12.3**						**12.3**	**11.4**
NYLON[e] INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	36.5						36.5	43.8
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.0	4.6	4.5	4.6						4.6	3.6
CARPET	62.3	58.0	55.5	53.9	49.5	51.4	59.6						59.6	47.9
TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.4						43.4	45.1
POLYESTER INDUSTRIAL[f]	23.7	25.1	25.2	24.0	27.1	27.8	28.1						28.1	24.1
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.5						2.5	3.6
TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	83.8						83.8	89.4
OLEFIN[h]	64.3	64.0	64.5	65.0	63.3	63.1	61.5						61.5	61.8
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**307.8**	**320.0**						**320.0**	**319.3**
STAPLE+TOW+FIBERFILL														
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**37.8**						**37.8**	**23.2**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	64.1						64.1	61.0
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	66.0						66.0	67.8
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	181.7						181.7	195.4
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.6						21.6	16.7
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**333.4**						**333.4**	**340.9**

WOOL & COTTON CONSUMPTION

ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
APPAREL CLASS WOOL	11.6	10.6	13.0	10.5	10.1								55.8	62.4
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0								4.4	4.1
TOTAL RAW WOOL	12.3	11.5	14.0	11.3	11.1								60.2	66.5
RAW COTTON	207.2	198.6	228.7	217.3	211.7	197.5							1261.0	1413.2

a. Year to date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.

C8850-1

Textile Organon

Vol 53, No. 9 · September 1982
A publication of the Textile Economics Bureau, Inc.

MONTHLY REVIEW

Highlights

Total Shipments of Polyester Staple+Tow Rebound in August After 5-Month Decline . . . see page 194.

Second Quarter Domestic Shipments of Noncellulosic Fibers Up From First Quarter . . . see pages 192 & 193.

1981 World Man-Made Fiber Production, Import, Export & Net Available Supply . . . featured page 183.

Textile Organon *Special 6-page Foldout: 1982 Directory of U.S. Man-Made Fiber Producers* . . . ***begins page 185.***

Shipments of nylon yarn to the carpet trades rose in August, the first increase since May, though shipments of nylon industrial yarn fell for the second consecutive month.

August shipments of polyester textile yarn+monofilaments increased for the first time in five months and shipments of polyester industrial yarn rose after a decline in July to the lowest level yet recorded this year.

Shipments of both olefin yarn+monofilaments and olefin+vinyon staple+tow rose in August.

Polyester staple+tow shipments reversed a 5-month decline by rising to the highest level since March.

Shipments of acrylic+modacrylic staple+tow rose in August after a steep decline in July and nylon staple+tow shipments rose to the highest level in over a year.

ITEM	1982 AUG	1982 JULY	%[a]	1981 AUG	%[b]	YEAR TO DATE 1982	YEAR TO DATE 1981	%[c]
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**17.3**	**12.2**	*+41.8*	**19.9**	*-13.1*	**136.5**	**187.2**	*-27.1*
NYLON INDUSTRIAL	21.9	23.5	-6.8	35.7	-38.6	218.1	274.9	-20.7
LOW DENIER INDUSTRIAL	2.5	1.9	+31.6	2.9	-13.8	19.3	23.6	-18.2
CARPET	60.2	42.6	+41.3	52.9	+13.8	378.0	505.9	-25.3
TEXTILE	29.3	21.4	+36.9	34.8	-15.8	216.6	285.9	-24.2
POLYESTER INDUSTRIAL	23.8	21.8	+9.2	26.8	-11.2	197.0	206.5	-4.6
LOW DENIER INDUSTRIAL	2.1	1.5	+40.0	1.9	+10.5	15.1	19.2	-21.3
TEXTILE	73.6	61.2	+20.3	107.3	-31.4	632.3	850.1	-25.6
OLEFIN	50.2	49.5	+1.4	54.2	-7.4	399.5	441.2	-9.4
TOTAL NONCELLULOSIC ABOVE	**263.6**	**223.4**	*+18.0*	**316.5**	*-16.7*	**2075.9**	**2607.3**	*-20.4*
STAPLE+TOW+FIBERFILL								
RAYON	**28.9**	**25.2**	*+14.7*	**36.8**	*-21.5*	**231.7**	**310.1**	*-25.3*
NYLON	68.3	51.4	+32.9	52.8	+29.4	440.7	551.1	-20.0
ACRYLIC+MODACRYLIC	58.5	47.6	+22.9	59.8	-2.2	430.0	484.3	-11.2
POLYESTER	163.0	129.3	+26.1	232.9	-30.0	1289.6	1742.0	-26.0
OLEFIN+VINYON	12.5	11.6	+7.8	11.3	+10.6	94.5	90.1	+4.9
TOTAL NONCELLULOSIC ABOVE	**302.3**	**239.9**	*+26.0*	**356.8**	*-15.3*	**2254.8**	**2867.5**	*-21.4*

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
Also see footnotes on last page of this issue.

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Textile Organon

Raymond S. Savadge, ***President***
Eileen M. Ludwig, ***Circulation Manager***

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DIRECTORY OF U.S. MAN-MADE FIBER PRODUCERS

The 1982 ***Textile Organon*** directory of U.S. man-made fiber producers, which updates and augments the listings presented in the September 1981 and June 1982 issues of the ***Organon***, is featured in the 6-page foldout, pages 185-190.

The directory, it should be noted, presents producer listings in three categories: (1) cellulosic and noncellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

The product arrangement follows the generic fiber nomenclature established by the U.S. Federal Trade Commission; the FTC generic definitions appear on page 185.

The following generic names listed by the FTC do not appear in the directory: anidex, azlon, lastrile, nytril and vinal (not made in this country) and metallic, novoloid and rubber (no attempt is made to list these producers).

IMPORTS, EXPORTS & BALANCE

The 1981 by-country production, import, export and net available or retained supply of four categories of man-made fiber are presented on page 183.

In the table, "yarn" includes tire cord and tire cord fabric, filament yarn and monofilaments. Staple includes tow, fiberfill and tops. Spun yarn includes advanced waste. Unprocessed waste is not included.

In a few cases where a country's import or export data could not be accurately separated as cellulosic versus noncellulosic, a division was estimated.

Except for spun yarn imports and exports, imports and exports of manufactured and semimanufactured man-made fiber products (e.g., fabric dresses, hosiery, etc.) are not included in the data.

The table shows the net import-export tonnage of spun yarn under the "Total Man-Made Fiber" columns; space does not permit the presentation of import and export data separately.

1981 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)

THOUSAND METRIC TONS

COUNTRY & AREA	CELLULOSIC								NONCELLULOSIC								TOTAL MAN-MADE FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW									
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMPORT	EXFORT	CELL SPUN	NC SPUN	NET AVAIL
WEST EUROPE																						
AUSTRIA	15.2	4.6	13.2	6.6	101.6	2.7	83.4	20.9	0	25.3	4.5	20.8	24.0	20.8	19.0	25.8	140.8	55.4	120.1	-14.0	-3.2	56.9
BENELUX	38.6	15.5	44.2	9.9	14.6	32.3	27.5	19.4	80.4	160.0	111.6	128.8	25.3	107.3	40.7	91.9	158.9	315.1	224.0	+16.0	+20.3	286.3
IRELAND (EIRE)	0	1.4		1.4	0	1.1	0.8	0.3	7.5	17.9	13.2	12.2	31.3	40.1	3.9	67.5	38.8	60.5	17.9		-0.8	80.6
FINLAND	0	0.9	0.1	0.8	46.6	4.6	42.2	9.0	0.6	12.4	0.8	12.2	0	12.0		12.0	47.2	29.9	45.1	+1.3	+3.4	38.7
FRANCE	11.0	26.0	14.0	23.0	42.9	16.6	31.2	28.3	66.4	79.2	55.3	90.3	134.8	96.5	80.1	151.2	255.1	218.3	180.6	+1.2	+1.3	295.3
GERMANY, FED. REP. OF	65.0	24.3	44.8	44.5	50.0	36.2	34.8	51.4	320.7	99.1	279.8	140.0	431.5	86.7	327.0	191.2	867.2	246.3	686.4	-1.0	+3.1	429.2
GREECE	7.2	0.1	11.1	-3.8	0	4.0		4.0	9.0	6.0	6.7	8.3	10.4	25.9	2.7	33.6	26.6	36.0	20.5	-0.2	-3.1	38.8
ITALY/MALTA	35.1	17.7	14.1	38.7	24.4	26.8	6.0	45.2	149.6	54.3	115.2	88.7	286.3	119.0	177.1	228.2	495.4	217.8	312.4	-6.6	-60.0	334.2
NORWAY	0	0.5		0.5	28.4	0.8	26.8	2.4	0	5.5	0.6	4.9	0	4.2	0.1	4.1	28.4	11.0	27.5	+0.3	+1.4	13.6
PORTUGAL	2.9	1.6	0.3	4.2	1.0	10.8		11.8	1.4	16.8	1.4	16.8	34.0	9.8	5.3	38.5	39.3	39.0	7.0	-1.9	-2.1	67.3
SPAIN	12.6	1.1	3.2	10.5	37.8	8.8	7.7	38.9	72.3	8.2	12.1	68.4	168.9	34.2	52.7	150.4	291.6	52.3	75.7	1.5	-11.2	255.5
SWEDEN	0	2.6	0.8	1.8	34.7	5.5	30.2	10.0	0.1	14.2	1.6	12.7	0	7.8	0.1	7.7	34.8	30.1	32.7	+0.3	+3.8	36.3
SWITZERLAND	1.5	0.1	0.7	0.9	0	9.2		9.2	61.6	6.5	66.1	2.0	22.0	13.4	22.7	12.7	85.1	29.2	89.5	+0.8	-2.9	22.7
TURKEY	0.3	2.0	0	2.3	5.0	1.8	0	6.8	26.5	9.9	0.1	36.3	65.0	6.4	2.6	68.8	96.8	20.1	2.7	0	+6.3	120.5
UNITED KINGDOM	27.0	14.9	21.9	20.0	102.4	29.7	89.0	43.1	99.4	106.4	61.9	143.9	149.4	69.8	98.8	120.4	378.2	220.8	271.6	+0.2	+22.1	349.7
TOTAL WEST EUROPE	**216.4**	**113.3**	**168.4**	**161.3**	**489.4**	**190.9**	**379.6**	**300.7**	**895.5**	**621.7**	**730.9**	**786.3**	**1382.9**	**653.9**	**832.8**	**1204.0**	**2984.2**	**1579.8**	**2111.7**	**-5.1**	**-21.6**	**2425.6**
U.S.A.	**138.6**	**4.9**	**16.5**	**127.0**	**210.7**	**7.6**	**28.2**	**190.1**	**1438.8**	**10.3**	**180.6**	**1268.5**	**1836.7**	**29.1**	**358.7**	**1507.1**	**3624.8**	**51.9**	**584.0**	**+0.1**	**-10.1**	**3082.7**
OTHER AMERICAS																						
ARGENTINA	1.0	0.7		1.7	0	1.1	0	1.1	16.0	2.7		18.7	8.3	6.2	0.3	14.2	25.3	10.7	0.3		-0.3	35.4
BRAZIL	21.0	0.5	3.8	17.7	25.3	0.6	0.9	25.0	115.0	4.6	0.6	119.0	86.8	6.4	4.0	89.2	248.1	12.1	9.3	-	+0.2	251.1
CANADA	13.5	7.8	5.1	16.2	28.2	1.8	19.7	10.3	65.9	27.0	23.3	69.6	43.9	42.1	11.9	74.1	151.5	78.7	60.0	0	+5.8	176.0
CHILE	1.0	0.4		1.4	3.0	1.2	0	4.2	5.0	2.2	0	7.2	2.5	5.8	0	8.3	11.5	9.6		-	-0.3	20.8
COLOMBIA	1.8	0.1	0.1	1.8	0	0.9	0	0.9	20.2	1.8	0	22.0	11.2	3.5	0	14.7	33.2	6.3	0.1	-	-0.2	39.2
COSTA RICA	0	0.2	0.2	0	0		0		3.0	2.1	-	5.1	0	2.3		2.3	3.0	4.6	0.2			7.4
CUBA	2.2	0.2	0.2	2.2	3.8	0.8	0	4.6	0	1.3	0	1.3	0	1.9	0	1.9	6.0	4.2	0.2	-0.2	-0.4	9.4
ECUADOR	0	0.5	0.5	0	0	1.5	0	1.5	3.5	3.0		6.5	0	5.7	0	5.7	3.5	10.7	0.5	-	-0.1	13.6
MEXICO	16.6	0.3	0.3	16.6	11.3	4.2	2.6	12.9	134.1	6.7	2.2	138.6	107.6	5.8	1.9	111.5	269.6	17.0	7.0	-	+0.3	279.9
PERU	1.3	0.6		1.9	0	2.1		2.1	10.1	2.2	0.4	11.9	21.1	1.6	-	22.7	32.5	6.5	0.4	0	-0.1	38.5
URUGUAY	1.0	0.1	0.4	0.7	0	2.4	0	2.4	0.9	0.9	0.3	1.5	2.1	1.3	0.5	2.9	4.0	4.7	1.2	-	-	7.5
VENEZUELA	2.8	1.0	1.0	2.8	0	7.6	0	7.6	11.2	13.6	0	24.8	6.0	0.9	0	6.9	20.0	23.1	1.0	-	-0.2	41.9
TOTAL OTHER AMERICAS	**62.2**	**12.4**	**11.6**	**63.0**	**71.6**	**24.2**	**23.2**	**72.6**	**384.9**	**68.1**	**26.8**	**426.2**	**289.5**	**83.5**	**18.6**	**354.4**	**808.2**	**188.2**	**80.2**	**-0.2**	**+4.7**	**920.7**
JAPAN	**118.7**	**0.6**	**51.1**	**68.2**	**273.5**	**0.4**	**141.5**	**132.4**	**607.0**	**27.0**	**126.4**	**507.6**	**721.8**	**14.1**	**263.5**	**472.4**	**1721.0**	**42.1**	**582.5**	**-4.3**	**-47.1**	**1129.2**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA, N.Z.	0	3.2		3.2	0	3.6		3.6	10.0	18.7	-	28.7	0	20.3	-	20.3	10.0	45.8	-	-0.6	-12.2	43.0
BANGLADESH	3.0			3.0	0	6.2	0	6.2	0.2	1.3	0	1.5	0	0.4	0	0.4	3.2	7.9		0	-0.1	11.0
EGYPT	6.0	0.4	0	6.4	4.0		0.1	3.9	2.0	9.2	-	11.2	5.0	6.9	0.7	11.2	17.0	16.5	0.8	-0.1	-2.2	30.4
INDIA	55.9	3.2	1.0	58.1	94.5	85.3		179.8	50.3	29.5		79.8	39.8	5.0	-	44.8	240.5	123.0	1.0	-	-0.3	362.2
INDONESIA	0	3.9	0	3.9	0	28.4	0	28.4	46.4	14.7	0.6	60.5	55.1	21.2	-	76.3	101.5	68.2	0.6	-0.6	-4.0	164.5
IRAN	0	7.5	0	7.5	0	37.1	0	37.1	4.0	12.6	0	16.6	0	26.2	-	26.2	4.0	83.4		-1.5	-22.5	63.4
IRAQ	3.0	1.7	0	4.7	5.5	1.6	0	7.1	0	10.5	0	10.5	0	4.7	0	4.7	8.5	18.5	0	-0.3	-4.5	22.2
ISRAEL	0	0.5		0.5	0	0.5	0	0.5	10.5	9.1	4.7	14.9	6.8	5.3	2.1	10.0	17.3	15.4	6.8	-0.2	-2.4	23.3
KENYA	0	0.3	0	0.3	0	1.1	0	1.1	1.0	1.6	0	2.6	0	4.8	0	4.8	1.0	7.8	0	-0.3	-0.4	8.1
KOREA, REPUBLIC OF	12.8	9.5	1.8	20.5	13.9	12.0	5.1	20.8	283.8	21.7	17.5	288.0	326.4	12.9	25.8	313.5	636.9	56.1	50.2	-2.7	-58.8	581.3
MALAYSIA	0	0.6		0.6	0	37.5	-	37.5	0	20.1	0.1	20.0	36.0	7.8	0.3	43.5	36.0	66.0	0.4	+0.1	-0.8	100.9
NIGERIA	0	1.5	0	1.5	0	2.2	0	2.2	2.7	9.6	0.8	11.5	2.5	1.2	2.0	1.7	5.2	14.5	2.8	-2.0	-9.3	5.6
PAKISTAN	2.4	2.3	0	4.7	0	16.7	0	16.7	1.5	22.5	0	24.0	0	15.8		15.8	3.9	57.3		-0.2	-1.6	59.4
PHILIPPINES	0	0.5	0	0.5	0	21.9	0	21.9	32.0	6.9	2.2	36.7	15.0	18.8		33.8	47.0	48.1	2.2	-	0	92.9
SOUTH AFRICA	0	4.9	-	4.9	0	17.4	0.1	17.3	33.6	22.4	-	56.0	20.0	38.4	0.1	58.3	53.6	83.1	0.2	-0.3	-2.9	133.3
SRI LANKA	0	0.1	0	0.1	0	0.9	0	0.9	0.8	2.0	0	2.8	0	0.8	0	0.8	0.8	3.8	0	-	+0.4	5.0
TAIWAN	3.0	0.9	2.8	1.1	96.7	7.9	17.1	87.5	298.2	10.1	117.0	191.3	288.8	45.2	48.8	285.2	686.7	64.1	185.7	-5.0	-50.2	509.9
THAILAND	0	0.9	0.1	0.8	16.4	1.1	-	17.5	40.4	7.3	0.9	46.8	56.3	7.7	-	64.0	113.1	17.0	1.0	-0.1	-2.2	126.8
TOTAL A, A & O ABOVE	**86.1**	**41.9**	**5.7**	**122.3**	**231.0**	**281.4**	**22.4**	**490.0**	**817.4**	**229.8**	**143.8**	**903.4**	**851.7**	**243.4**	**79.8**	**1015.3**	**1986.2**	**796.5**	**251.7**	**-13.8**	**-174.0**	**2343.2**
HUNGARY	0	10.4	0.2	10.2	7.5	14.9	4.4	18.0	7.0	9.6	0.4	16.2	14.3	12.9	6.3	20.9	28.8	47.8	11.3	0	+3.4	68.7
POLAND	19.5	1.2	0.6	20.1	44.4	14.9	0	59.3	78.7	6.4	6.1	79.0	39.2	24.4	4.7	58.9	181.8	46.9	11.4	0	0	217.3

See text on page 182.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1982												7 MONTHS	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	0	15	0	0	0	141	314						470	469
MEXICO	155	76	157	75	115	92	0						670	882
AUSTRIA	0	20	0	451	225	85	41						822	41
GERMANY, FED. REP. OF	502	275	218	250	81	157	54						1537	2220
NETHERLANDS	86	77	17	59	53	30	22						344	2283
SPAIN	40	81	46	47	47	0	0						261	223
JAPAN	20	42	36	1	36	2	21						158	133
ALL OTHER COUNTRIES[a]	58	2	28	133	22	27	17						287	449
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**	**534**	**469**						**4549**	**6700**
CELLULOSIC STAPLE+TOW														
CANADA	155	167	191	129	170	90	54						956	3054
AUSTRIA	605	40	441	401	462	0	410						2359	2794
FRANCE	1	52	2	0	0	6	21						82	228
GERMANY, FED. REP. OF	42	44	43	0	0	65	0						194	85
SWEDEN	464	0	871	189	554	0	765						2843	1391
UNITED KINGDOM	117	2	108	69	119	0	76						491	1253
AUSTRALIA	153	0	0	0	0	0	0						153	0
JAPAN	149	24	134	118	76	127	227						855	681
ALL OTHER COUNTRIES[b]	0	80	1	44	29	38	44						236	171
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**						**8169**	**9657**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	295	156	101	444	456	595	365						2412	1815
COSTA RICA	117	27	0	0	27	0	7						178	0
MEXICO	0	1	2	1	10	41	66						121	117
BELGIUM	0	2	9	11	0	46	66						134	1
FRANCE	128	114	79	106	49	17	243						736	1147
GERMANY, FED. REP. OF	581	362	295	372	569	454	370						3003	2513
ITALY	24	2	175	1	10	18	16						246	426
UNITED KINGDOM	67	48	38	43	5	54	14						269	221
JAPAN	453	661	463	450	438	535	554						3554	4282
ALL OTHER COUNTRIES[c]	18	5	18	14	98	42	49						244	483
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**						**10897**	**11005**
NONCELLULOSIC STAPLE+TOW														
CANADA	439	310	864	219	476	365	276						2949	4047
MEXICO	177	27	57	79		75	343						758	1876
BELGIUM	29	31	1	12	0	0	32						105	359
FRANCE	219	194	444	308	301	247	324						2037	2862
GERMANY, FED. REP. OF	730	752	975	725	861	341	420						4804	11737
IRELAND	0	39	39	77	39	116	77						387	95
ITALY	58	23	153	115	63	76	1236						1724	4166
NETHERLANDS	141	89	58	43	19	0	0						350	228
ROMANIA	50	106	29	219	5	29	0						438	267
UNITED KINGDOM	195	250	259	238	412	181	25						1560	3004
JAPAN	588	461	510	401	520	612	885						3977	3278
TAIWAN	616	194	436	583	760	2041	748						5378	4179
ALL OTHER COUNTRIES[d]	16	5	1	17	28	91	98						256	278
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**						**24723**	**36376**

Other countries supplying 1982 poundages are:

a. Belgium 47, Brazil 82, France 66, Italy 8, Rep. of Korea 80 & Switzerland 4.

b. Finland 80, German Dem. Rep. 88, Mexico 39 & Netherlands 29.

c. Austria 10, Dominican Republic 4, India 11, Ireland 1, Israel 1, Rep. of Korea 17, Netherlands 30, Norfolk Is. 36, Portugal 18, Romania 1, Sweden 33, Switzerland 61 & Taiwan 21.

d. Australia 29, Austria 12, Denmark 33, German Dem. Rep. 15, Hong Kong 1, Iceland 5, Israel 60, Rep. of Korea 31, Poland 15, Portugal 1 & Switzerland 54.

U.S. MAN-MADE FIBER PRODUCERS

ALBANY INTERNATIONAL - MONOFILAMENT PLANT•
EXECUTIVE OFFICE: 156 S. Main Street, Homer, NY 13077
Fluoropolymers Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66, & 612 Homer (monofil)
Polyester Homer (monofil regular & hydrolysis resistant)

ALLIED FIBERS AND PLASTICS COMPANY
EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 N. Tustin Ave., Santa Ana, CA 92705
1775 The Exchange, Suite 160, Atlanta, GA 30339
2100 Fiber Park Dr., Dalton, GA 30720
Friendship Center Office Park, Suite 108, Greensboro, NC 27409
64 South Miller Rd., Akron, OH 44313
Nylon 6 Columbia, SC & Hopewell, VA *A.C.E., Anso, Caprolan, Nypel* (yarn, monofil & staple)
Polyester Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN ENKA COMPANY
A PART OF AKZONA, INC.
EXECUTIVE OFFICE: Enka, NC 28728
REGIONAL SALES: 1529 McFadden Ave., Santa Ana, CA 92705
530 Fifth Ave., New York, NY 10036
616 Green Valley Rd., Greensboro, NC 27404
Suite 524, Uptain Bldg., Chattanooga, TN 37411
Rayon Lowland, TN *Absorbit, Enkaire, Enkrome, Fiber 700, IT* (staple)
Nylon 6 Enka, NC, Central, SC & Lowland *Ten, Enkalon, Enkalure, Enkasheer, Lurelon, Multisheer, Phase 7, Softalon*
Polyester Central & Lowland *Encron, Encron 8, Enka, Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn & staple)

NOTES & DEFINITIONS FOR THE DIRECTORY

This directory separates the listing into (1) the cellulosic plus the noncellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

• means that the company produces olefin fiber as well as other man made fiber(s). For example, Ametek produces olefin fiber (page 187) as well as nylon, polyester & saran (see page 186).

Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

* indicates that a new plant, or facilities for producing a new product at an existing plant, is in the planning or construction stage; such facilities are not expected to be operable before 1983 or later.

The localities shown are the plant sites.

Yarn means filament yarn. No attempt is made to identify high tenacity vs. textile tenacity, nor textured or BCF vs. regular, noncellulosic yarns.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross section.

Staple, **tow** and **fiberfill** are self-explanatory.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation, i.e., little or none of the fiber is for sale as such.

In the olefin entries:

Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in the survey is the slit "fiber" used for decorative or tying ribbons and such.

Rope includes braided & twisted rope as well as filler or core fiber.

Cordage is under 3/16" and includes tying and harvest (baler & binder) twine.

Carpet Backing is self-explanatory.

Industrial Goods means bags, bale wrap & protective covers, agricultural cloth, tarps & pool covers, etc.

GENERIC NAMES & TRADEMARKS

The generic fiber names used in this survey are mainly those promulgated by the U.S. Federal Trade Commission. Following are those generic names (in **bold type**) and a brief description of the fibers covered by each name.

The *italicized* words are trademarks. All other fiber names are generic and are shown in regular type.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate. Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate. Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon. Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

The viscose rayon yarns are identified as ind (industrial or high tenacity yarn) and reg (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic. At least 85% acrylonitrile by weight.

Modacrylic. 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Nylon. A long chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc.

Aramid. A long chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings.

Olefin. At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester. At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran. At least 80% vinylidene chloride by weight.

Spandex. At least 85% of segmented polyurethane.

Vinyon. At least 85% vinyl chloride by weight.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, metallic and novoloid. Fibers falling under the FTC designations of anidex, azlon, nytril and vinal are not produced in the United States.

TEXTILE GLASS FIBER

A fiber produced in two primary forms, namely continuous strand and staple sliver. Continuous strand is a drawn fiber (i.e., from a textile type bushing), while staple sliver, which is produced in relatively small amounts, in current practice is a blown fiber. Textile glass fiber thus ***does not*** include the substantial poundages of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand means continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.

Roving means two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving.

Mat means mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (½" to 3" strands deposited in a random manner and resin-bonded).

Chopped means chopped yarn, strand or roving (¼" to 3-¾" length).

Milled means hammer-milled yarn, strand or roving (1/32" to ¼" length).

Staple Yarn & Sliver is a blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

AMERICAN CYANAMID COMPANY, FIBERS DIVISION
EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: One Penn Plaza, New York, NY 10119
P.O. Box 32787, Charlotte, NC 28232
Acrylic Milton, FL *Creslan* (staple & tow)

AMERICAN HOECHST CORPORATION
EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876

HOECHST FIBERS INDUSTRIES DIVISION
EXECUTIVE OFFICE: 1515 Broadway, New York, NY 10036
REGIONAL SALES: 5601-77 Center Drive, Suite 250, Charlotte, NC 28210
California Mart, 110 E. 9th St., Los Angeles, CA 90079
Polyester Spartanburg, SC *Trevira* (yarn & staple); Delaware City, DE (monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION•
EXECUTIVE OFFICE: Box 339, Odenton, MD 21113
Nylon 6, 66, 612 & 11 Odenton, MD (monofil)
Polyester Odenton (monofil)
Saran Odenton (monofil)

AVTEX FIBERS INC.
EXECUTIVE OFFICE: 3 Lee Rd. (Chesterbrook), P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 1 Fairview Plaza, 5950 Fairview Rd., Suite 501, Charlotte, NC 28210
Acetate Meadville, PA (yarn)
Rayon Front Royal, VA *Avloc, Avril, Avril II, Avril III, Avril Prima, Fibers 40 & 43* (ind yarn & staple)
Polyester Lewistown, PA *Avlin* (yarn)
Vinyon Meadville (staple)

BADISCHE CORPORATION
EXECUTIVE OFFICE: Williamsburg, VA 23185
REGIONAL SALES: 5505 East Carson St., Lakewood, CA 90713
500 Holiday Avenue, The Badische Building, Dalton, GA 30720
111 West 40th St., New York, NY 10018
Acrylic Williamsburg, VA *Zefran* (staple)
Nylon 6 Anderson, SC *Zeftron* (yarn & staple)
Badische Corp. has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BERKLEY & CO. INC.•
EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360
Nylon 6 Spirit Lake, IA (monofil)

CAMAC CORPORATION•
EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24201
Nylon 6 Bristol, VA *Camalon* (yarn)

CELANESE FIBERS COMPANY
A DIVISION OF CELANESE CORPORATION
EXECUTIVE OFFICE: P.O. Box 32414, Charlotte, NC 28232
MARKETER: Celanese Fibers Marketing Company, 1211 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 110 E. 9th St., Room A 1229, Los Angeles, CA 90015
6650 Powers Ferry Rd. N.W., Atlanta, GA 30339
P.O. Box 32414, Charlotte, NC 28232
2950 W. Market St., Akron, OH 44313
Acetate Cumberland, MD (Amcelle), Rock Hill, SC (Celriver) & Narrows, VA (Celco) *Celanese* (yarn, staple & tow)
Triacetate Cumberland & Rock Hill *Arnel* (yarn, staple & tow)

CORTLAND LINE COMPANY
EXECUTIVE OFFICE: 67 E. Court St., P.O. Box 1362, Cortland, NY 13045
Nylon 6 Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.
EXECUTIVE OFFICE: 104 West 40th St., New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652
Rayon Le Moyne, Mobile County, AL *Coloray, Fibro* (staple)
Nylon 6 Le Moyne *Courtaulds, Shareen, Shareen-Plus, Shareen-SSS, Shareen-UFD* (yarn & monofil)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)•
TEXTILE FIBERS DEPARTMENT•
EXECUTIVE OFFICE: Wilmington, DE 19898
REGIONAL SALES: 5500 Union Pacific Ave., City of Commerce, CA 90022
2 N. La Salle St., Suite 1905, Chicago, IL 60602
350 Fifth Ave., New York, NY 10118
6250 Fairview Rd., Charlotte, NC 28234
2770 W. Market St., Akron, OH 44313
50 North Broadway, Rumford, RI 02916
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411
Acrylic Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Fluorocarbon Richmond, VA *Teflon* TFE & FEP fluorocarbon fiber (yarn, monofil, staple, tow & flock)
Nylon 66 Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Aramid Richmond *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Polyester Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT
EXECUTIVE OFFICE: see listing above
Nylon 6, 66, 612 & Polyester Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY
CAROLINA EASTMAN COMPANY
EXECUTIVE OFFICE: Kingsport, TN 37662
Polyester Columbia, SC *Kodel* (yarn & staple)

TENNESSEE EASTMAN COMPANY
EXECUTIVE OFFICE: Kingsport, TN 37662
MARKETER: Eastman Chemical Products, Inc., Fibers Division, Kingsport, TN 37662
REGIONAL SALES: California Mart, 110 E. 9th St., Los Angeles, CA 90079
1133 Avenue of the Americas, New York, NY 10036
Acetate Kingsport, TN *Chromspun, Estron* (yarn)
Modacrylic Kingsport *Verel* (staple)
Polyester Kingsport *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. (subsidiary of Celanese Corporation)
EXECUTIVE OFFICE: P.O. Box 10038, Charlotte, NC 28237
MARKETER: Celanese Fibers Marketing Company - see listing adjacent
Polyester Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angeleite, ESP, Fortrel, Fortrel 7, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)

FIRESTONE FIBERS & TEXTILES COMPANY
DIVISION OF FIRESTONE TIRE & RUBBER COMPANY
EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052
Polyester Hopewell, VA (yarn)

GLOBE MANUFACTURING CO.
EXECUTIVE OFFICE: 456 Bedford St., Fall River, MA 02720
Spandex Fall River, MA & Gastonia, NC *Cleerspan, DC 100, DC 700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY,
CHEMICAL DIVISION
EXECUTIVE OFFICE: Akron, OH 44316
Polyester Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION
EXECUTIVE OFFICE: 4925 West Market St., Greensboro, NC 27402
PLANT OFFICE: 455 Osborne St., S.E., Gainesville, GA 30501
Nylon 6 Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED
(subsidiary of Falk Fibers & Fabrics Inc.)
EXECUTIVE OFFICE: 2120 Pinecroft Road, Greensboro, NC 27407
REGIONAL SALES: 1450 Broadway, New York, NY 10018
Nylon 6 Yanceyville, NC *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC. (subsidiary of JWI Ltd.)
EXECUTIVE OFFICE: Industrial Ave., Williston, VT 95495
Nylon 6/66 Williston, VT (monofil)
Polyester Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION
EXECUTIVE OFFICE: 2303 W. Meadowview Rd., Greensboro, NC 27407
Nylon 66 Creedmoor, NC (yarn - captive)

MONOFILAMENTS, INC.
EXECUTIVE OFFICE: 1401 Hopeman Pkwy., Waynesboro, VA 22980
Nylon 6/66 Waynesboro, VA (monofil)
Polycarbonate Waynesboro (monofil)
Polyester Waynesboro (monofil)

MEYERS FIBERS, INC. see Tolaram Fibers, Inc.

MONSANTO COMPANY
EXECUTIVE OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63166
MONSANTO TEXTILES COMPANY
REGIONAL SALES: 110 E. 9th St., Los Angeles, CA 90015
1401 Dove St., Newport Beach, CA 92663
320 Interstate North Pkwy., Atlanta, GA 30339
Merchandise Mart, 222 North Bank Dr., Chicago, IL 60654
1114 Avenue of the Americas, New York, NY 10036
6230 Fairview Rd., Charlotte, NC 28210
260 Springside Dr., P.O. Box 5444, Akron, OH 44313
Acrylic Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic Decatur *SEF* (staple & tow)
Nylon 66 Pensacola, FL & Greenwood, SC *Ultron, Ultron Z* (yarn, monofil & staple), *Cerex* (spunbonded)
Polyester Decatur *Blue C* (staple & tow)
MONSANTO POLYMERS AND RESINS COMPANY
SALES OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63166
Nylon 66 Pensacola *AstroTurf* (recreational & landscaping surfaces)

NORTH AMERICAN RAYON CORPORATION
EXECUTIVE OFFICE: 1011 Schaub Drive, Raleigh, NC 27606
REGIONAL SALES: 500 Fifth Ave., New York, NY 10110
Rayon Elizabethton, TN (ind & reg yarn and tow)

OMEGA YARNS, INC. (subsidiary of Tietex Corp.)
EXECUTIVE OFFICE: Blackstock Rd., P.O. Box 6218, Spartanburg, SC 29304
SALES OFFICE: 183 Madison Ave., New York, NY 10017
Polyester Asheboro, NC (yarn)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
SALES OFFICE: 1801 Main St., P.O. Box 246, Columbia, SC 29202
Nylon 6/66 Columbia, SC *Sooflex, Superflex, S-3, Wonderthread* (monofil)
Polyester Columbia *Shakespeare Wonderthread* (monofil)

STAR FIBERS, INC.
EXECUTIVE OFFICE: 136 Fuller Rd., Albany, NY 12205
REGIONAL SALES: Edgefield, SC 29824
Nylon 6 Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. (formerly Meyers Fibers, Inc.)
EXECUTIVE OFFICE: 4 Park Avenue, New York, NY
Polyester Ansonville, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION
(subsidiary of Falk Fibers & Fabrics Inc.)
EXECUTIVE OFFICE: see Hanover Mills on page 186
REGIONAL SALES: 1450 Broadway, New York, NY 10018
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
EXECUTIVE OFFICE: 75 Federal St., Boston, MA 02110
REGIONAL SALES: 1200 East Morehead,St., Charlotte, NC 28204
Nylon 6 Johnsonville, SC *Wellon* (staple & monofil)
Nylon 66 Johnsonville *Wellon, Wellstrand* (staple, tow, tops & monofil)
Polyester Johnsonville *Fillwell, Wellene, Wellstrand* (staple, tow & monofil)

OLEFIN FIBER

ACS INDUSTRIES, INC.
EXECUTIVE OFFICE: 71 Villanova St., Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn & staple)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT
EXECUTIVE OFFICE: see listing on page 185
PLANT: Homer, NY (P monofil)

AMERICAN MANUFACTURING COMPANY
EXECUTIVE OFFICE: 206 Willow Ave., Honesdale, PA 18431
REGIONAL SALES: 20810 Fordyce Ave., Carson, CA 90749
5854 Hollis St., Emeryville, CA 94608
1555 Marshall St., P.O. Box 52134, Jacksonville, FL 32201
6002 North 51st St., Tampa, FL 33610
P.O. Box 3, Central of Ga. RR Warehouse 5, Savannah, GA 31402
500 Country Club Dr., Bensenville, IL 60106
1523 St. Ferdinand St., New Orleans, LA 70117
139 California St., Newton, MA 02158
1715 South 11th St., St. Louis, MO 63104
1313 Old River Rd., Cleveland, OH 44113
1501 Preble Ave., Pittsburgh, PA 15233
2609 Leeland St., Houston, TX 77003
2507 S. 300 West St., Salt Lake City, UT 84115
5050 First Avenue South, Seattle, WA 98134
HONESDALE ROPE DIVISION
PLANT: Honesdale, PA (E & P monofil & film)
LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: see listing on page 186
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS COMPANY,
PATCHOGUE PLYMOUTH DIVISION
EXECUTIVE OFFICE: 550 Interstate North Pkwy., Atlanta, GA 30339
REGIONAL SALES: 15377 Del Prado, Hacienda Heights, CA 91745
P.O. Box 911, Dalton, GA 30720
P.O. Box 3545, 604 Sheridan Avenue, Dalton, GA 30720
700 West 1st Street, Lowell, NC 28098
PLANTS: Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA, Lowell, NC and Afton, VA (P yarn, monofil, film & staple)
The company produces *Needl Bac, Poly Bac & Poly Bac FLW* primary carpet backing; *Action Bac* secondary carpet backing; *Propex* industrial goods; and *Marquesa Lana, Patlon & Patlon Plus* yarn at these locations.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Ave., Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film - captive)
The company weaves carpet backing here.

BEMIS COMPANY, INC.
EXECUTIVE OFFICE: 800 Northstar Center, Minneapolis, MN 55402
REGIONAL SALES: 2400 S. Second St., St. Louis, MO 63104
90 Park Ave., New York, NY 10016
PLANT: St. Louis, MO (P film)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: see listing on page 186
PLANT: Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS
EXECUTIVE OFFICE: P.O. Box 100, Anniston, AL 36202
PLANT: Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film cordage and industrial yarn & tape)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th St., Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

CAMAC CORPORATION
EXECUTIVE OFFICE: see listing on page 186
PLANT: Bristol, VA (P yarn)

CELANESE FIBERS COMPANY - see Mirafi, Inc.

CHASE BAG COMPANY
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANTS: Orange, CA & New Orleans, LA (P film industrial goods)

CHEVRON FIBERS, INC. - see Polyloom Corporation of America

THE COLUMBIAN GROUP
DIVISION OF THE COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: 1 Columbian Drive, Auburn, NY 13021
REGIONAL SALES: 90 Charter Oak Ave., San Francisco, CA 94124
600 St. George Ave., Jefferson, LA 70181
1003 Medina St., Houston, TX 77012
PLANTS: Jefferson, LA & Auburn, NY *Manipro, Poly K, Poly Twine, Polypro 6, Radiant Twine* (E & P monofil & film)

CONCORDE FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 200, Highway 45, Jamestown, SC 29453
PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil rope)

CROWN ZELLERBACH CORPORATION,
NONWOVEN FABRICS DIVISION
EXECUTIVE OFFICE: 1 Bush St., San Francisco, CA 94119
SALES HEADQUARTERS: 3720 Grant St., Washougal, WA 98671
PLANT: Washougal, WA *Celestra, Fibretex* (P spunbonded)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
TEXTILE FIBERS DEPARTMENT
EXECUTIVE OFFICE: see listing on page 186
PLANTS: Old Hickory, TN & Richmond, VA *Typar* (P spunbonded), *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Ave., Central Falls, RI 02862
PLANT: Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION
EXECUTIVE OFFICE: 660 Hopmeadow St., Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS,
INDUSTRIAL TEXTILES DIVISION
DIVISION HEADQUARTERS: Hwy. 78 West, Summerville, SC 29483
MARKETING OFFICE: 380 Interstate North, Suite 375, Atlanta, GA 30339
PLANTS: Kingman, KS (P monofil & film cordage) &
Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon* & *Fuzzbak* carpet backing and packaging fabrics at Summerville, SC.

FNT INDUSTRIES, INC.
EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FIBERS & FABRICS OF GEORGIA, INC.
(subsidiary of Georgia Synthetics, Inc.)
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (E & P yarn, monofil & multifil)
The company also weaves carpet backing here.

FIBERS SOUTH, INC.
EXECUTIVE OFFICES: P.O. Box 198, Trussville, AL 35173
PLANT: Trussville, AL (E & P film & monofil)

FIBRON CORPORATION OF TENNESSEE (subsidiary of Harbour Group Ltd.)
EXECUTIVE OFFICE: Clayton, MO
PLANT: Chattanooga, TN *Fibri Cord, Fibri Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED
EXECUTIVE OFFICE: 999 Airport Road, Lakewood, NJ 08701
PLANT: Lakewood, NJ (P yarn)

GENERAL FIBERS & FABRICS, INC.
EXECUTIVE OFFICE: Orchard Hill Rd., LaGrange Industrial Park, LaGrange, GA 30240
PLANT: LaGrange, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (E & P yarn, monofil & multifil)
Also note **FIBERS & FABRICS OF GEORGIA, INC.**, adjacent.

GLADDING CORP., CORDAGE DIVISION
EXECUTIVE OFFICE: Gladding St., South Otselic, NY 13155
PLANT: South Otselic, NY (P monofil)

HERCULES INCORPORATED, FIBERS MARKETING DIVISION
EXECUTIVE OFFICE: 910 Market St., Wilmington, DE 19899
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Rd., Suite 301, Norcross, GA 30071
REGIONAL SALES:
Mack Center II, From Rd., Ground Floor, Paramus, NJ 07652
PLANT: Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY
EXECUTIVE OFFICE: 677 Cincinnati Ave., Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

JACKSON ROPE COMPANY,
DIVISION OF TUBBS CORDAGE COMPANY
EXECUTIVE OFFICE: see listing under Tubbs Cordage opposite
PLANT: Austin, TX (P monofil & film)

KELLER INDUSTRIES, INC.
EXECUTIVE OFFICE: 18000 State Rd. #9, North Miami, FL 33162
PLANT: Swainsboro, GA (P monofil - captive)
The company weaves outdoor furniture webs here.

KIMBERLY-CLARK CORPORATION
EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANTS: Corinth, MS, Balfour, NC & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded), *Cyclean* (P spunbonded/meltblown laminate), *Evolution II, Safeguard CPF* (P spunbonded meltblown & P meltblown)

LAMBETH CORPORATION
EXECUTIVE OFFICE: 627 Tarkiln Hill Rd., New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (a Consolidated Foods Company)
SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC.
EXECUTIVE OFFICE: 522 Fifth Ave., New York, NY 10036
REGIONAL SALES: Northeastern Industrial Park, Guilderland Center, NY 12505
PLANT: Guilderland Center, NY (E film - captive)

MIRAFI INC. (subsidiary of Dominion Textiles)
(formerly Celanese Fibers Company)
EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film - captive)

NSI, INC.
ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film - captive)
The company weaves carpet backing here.

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P.O. Box 849, Lumberton, NC 28358
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here.

PHILLIPS FIBERS CORPORATION
(subsidiary of Phillips Petroleum Company)
EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602
REGIONAL SALES: 630 Fifth Ave., New York, NY 10020
PLANTS: Rocky Mount, NC & Spartanburg, SC *Marvess* (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon* and *Supac* nonwoven fabrics at Seneca, SC.

POLYLOOM CORP OF AMERICA (formerly Chevron Fibers, Inc.)
EXECUTIVE OFFICE: 1615 N. Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Ave. & 15th St., N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film cordage and twine)

SUNSHINE CORDAGE CORPORATION
EXECUTIVE OFFICE: 7250 N.W. 41st St., Miami, FL 33166
MARKETER: Poncar Plastic Corp., 7250 N.W. 41st ST., Miami, FL 33166
PLANT: Miami, FL *Cala-Line, Oletex, Poncar, Sunshine, Sunylon, Sunypool* (E & P monofil)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Rd., Chickamauga, GA 30707
PLANTS: Chickamauga, GA & Houston, TX (P film - captive)
The company weaves slit film carpet backing and industrial fabrics.

SYNTHETIC INDUSTRIES (TEXAS), INC.
EXECUTIVE OFFICE: P.O. Box 40504, Houston, TX 77040
PLANT: Houston, TX (E & P film)

TUBBS CORDAGE COMPANY
EXECUTIVE OFFICE: 660 Bryant St., P.O. Box 7986, San Francisco, CA 94120
REGIONAL SALES: P.O. Box 709, Orange, CA 92666
2045 No. 15th Ave., Melrose Park, IL 60160
5501 Jefferson Highway, Harahan, Jefferson Parish, LA 70123
1355 West Front St., Plainfield, NJ 07063
1311 Palmer St., Houston, TX 77003
415 South Fidalgo St., Seattle, WA 98108
PLANT: Orange, CA *Loktite* (P monofil & film)
The company's Yarn Division operates carpet yarn spinning facilities at Dos Palos and Porterville, CA.
Also see listing for **JACKSON ROPE COMPANY** opposite.

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Ave., Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box G, Beverly, NJ 08010
PLANT: Elkin, NC (E & P monofil rope & cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box 19, Route 522, Tennent, NJ 07763
PLANT: Tennent, NJ (P monofil)

WAYN-TEX INC.
EXECUTIVE OFFICE: 901 Delphine Ave., Waynesboro, VA 22980
REGIONAL SALES: 14014 Alondra Blvd., Santa Fe Springs, CA 90670
1805 S. Hamilton St., Dalton, GA 30720
PLANT: Waynesboro, VA *Beamette, Waynfil* (E & P yarn & monofil & P film)
The company also weaves *Wayntuf* primary carpet backing, *Waynlok* secondary carpet backing and *Waynlon* industrial fabrics here.

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson St., Pilot Mountain, NC 27041
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland St., Paterson, NJ 07503
PLANTS: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: **Conwed Corp.** *Conwed Plastic Netting* (P embossed film for netting); **E.I. du Pont de Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: P.O. Box 736, Bessemer, AL 35023
205 Main Street, Suite F, Pleasanton, CA 94566
1801 E. Parkcourt St., Bldg. E, Suite 103, Santa Ana, CA 92701
1300 S. Harbor City Blvd., Suite 11, Melbourne, FL 32901
17924 S. Halsted Street, Homewood, IL 60430
25 W. Courtland St., Bel Air, MD 21014
1450 Souter St., Troy, MI 48084
1540 S. Holland-Sylvania Road, Maumee, OH 43537
2121 S. Columbia, Suite 308, Tulsa, OK 74114
Rte. 11, Patch Dr., Spartanburg, SC 29302
1212 8th St., Wichita Falls, TX 73601
2301 N.E. 91st St., Vancouver, WA 98665
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.
EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped)

LUNDY TECHNICAL CENTER
EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving & strand and nonwoven metallized glass mat)

MANVILLE CORPORATION, FILTRATION & MINERALS DIVISION
EXECUTIVE OFFICE: P.O. Box 5108, Ken-Caryl Ranch, Denver, CO 80217
REGIONAL SALES: 7500 Dutch Rd., Waterville, OH 43566
PLANTS: Waterville, OH & Etowah, TN *Chop-Pak* (mat, chopped strand and staple yarn & sliver)

NICOFIBERS INC.
EXECUTIVE OFFICE: Ironpoint Rd., Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OWENS-CORNING FIBERGLAS CORPORATION
EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 5933 Telegraph Road, Los Angeles, CA 90040
477 Forbes Blvd., S. San Francisco, CA 94080
4950 W. Kennedy Blvd., Suite 301, Tampa, FL 33609
1155 Hammond Dr., Bldg. C - Suite 3210, Atlanta, GA 30328
2215 Sanders Rd., Northbrook, IL 60062
10170 Linn Station Rd., Suite 320, Louisville, KY 40223
60 Williams St., Wellesley Hills, MA 02181
1055 36th St. S.E., Grand Rapids, MI 49508
2075 W. Big Beaver Rd., Troy, MI 48084
700 White Plains Rd., Scarsdale, NY 10583
2200 Victory Pkwy., Cincinnati, OH 45206
5700 Pearl Rd., Suite 104, Cleveland, OH 44129
997 Old Eagle School Rd., Wayne, PA 19087
12830 Hillcrest, Suite 216, Dallas, TX 75230
12301 N.E. 10th Place, Bellevue, WA 98005
PLANTS: Huntington, PA, Ashton, RI, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Activa, Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, spun roving, woven roving, mat, chopped, milled and staple yarn & sliver)

PPG INDUSTRIES, INC., FIBER GLASS DIVISION
EXECUTIVE OFFICE: One Gateway Center, Pittsburgh, PA 15222
REGIONAL SALES: 1700 E. Dyer Rd., Suite 200, Santa Ana, CA 92705
30 Tower Lane, Avon Park South, Avon, CT 06001
880 Johnson Ferry Rd., NE, Suite 220, Atlanta, GA 30342
6420 W. 127th Street, Suite 216, Palos Heights, IL 60463
2155 West Big Beaver Rd., P.O. Box 3510, Troy, MI 48084
30 East 42nd St., New York, NY 10017
1601 East Garrison Blvd., Suite 210, Gastonia, NC 28052
767 East Turkeyfoot Lake Rd., Akron, OH 44319
4015 Executive Park Dr., Suite 100, Cincinnati, OH 45241
501 Office Center Dr., Ft. Washington, PA 19034
5629 FM 1960 West, Suite 100, Houston TX 77069
PLANTS: Lexington & Shelby, NC *Azdel* (yarn, roving, mat, chopped strand, woven roving & rubber reinforcements)

REICHHOLD CHEMICALS, INC.
EXECUTIVE OFFICE: 525 N. Broadway, White Plains, NY 10603
REGIONAL SALES: 107 S. Motor Ave., Azusa, CA 91702
120 S. Linden Ave., S. San Francisco, CA 94080
George C. Brandt, Inc. (Agent), 6500 Stapleton Dr. So., Denver, CO 80216
1700 Drew St., Suite 6, Clearwater, FL 33515
2250 N. Druid Hills Rd., Suite 148, Atlanta, GA 30329
814 Commerce Drive, Oak Brook, IL 60521
P.O. Box 7212, Louisville, KY 40207
P.O. Box A, Andover, MA 01810
601-707 Woodward Heights Blvd., Detroit, MI 48220
George C. Brandt, Inc. (Agent), 2975 Long Lake Rd., St. Paul, MN 55113
975 North St., Suite 108, Jackson, MS 39202
726 Rockefeller St., Elizabeth, NJ 07202
640 Kreay Rd., Pittsford, NY 14534
P.O. Box 11051, Charlotte, NC 29209
11750 Chesterdale Rd., Cincinnati, OH 45246
20800 Center Ridge Rd., Cleveland, OH 44116
5310 E. 31st St., Tulsa, OK 74135
8383 Stemmons Freeway, Dallas, TX 75247
8955 Katy Freeway, Suite 102, Houston, TX 77018
2340 Taylor Way, Tacoma, WA 98401
GLASS FIBERS DIVISION
PLANTS: Irwindale, CA *Chemglas* (roving, chopped & milled)
Bremen, OH *Modiglass* (mat)
Nashville, TN (roving, woven roving, mat, chopped & milled)

The division also weaves roving and/or manufactures reinforcement mats at Nashville, TN, as well as at Huntington Beach, CA.

CAPTIVE FIBER PRODUCERS

Several olefin and nylon producers consume at least some, if not all, of their fiber output in products they manufacture such as rope, narrow fabric and industrial goods. In other words, the fiber production is a "captive" operation and is labeled as such in the directory. Note the definition on page 185.

These captive fiber producers are listed in the directory, and their output recorded in all *Organon* data surveys, because their production is a part of the total man-made fiber supply.

JUNE *Organon* CORRECTIONS

India. On page 119, the acrylic trade name for the company J.K. Synthetics Limited should be *Jayacrylic* and not *Jekrilon*.

Poland. On page 124, the rayon listing for the producer Zakłady Włokien Chemicznych "Chemitex Anilana" should be deleted. Also, the rayon entry for Zakłady Wlokien Chemicznych "Chemitex-Wiskord" should be for reg yarn only, not ind & reg yarn.

Turkey. On page 126, the rayon entry for Gemlik Suni Ipek Ve Viskoz Mamulleri Sanayii Müessesesi should list only staple, not reg yarn & staple. The polyester plants of both M.N. Sabuncu and Sancak Tül Sanayii Ltd., STI., are idle. Under Olefin Fiber, both Degirmencilik A.S. and Senipek Tekstil Sanayii Ve Ticaret A.S. should be delisted. On the other hand, four new olefin producers should be added: Bezci Elyaf San. A.S., Istanbul; Dinarsu Elyaf San. A.S., Cerkezkoy, Tekirdag (P staple); Halicioglu Elyaf San.-A.S., Haskoy, Istanbul (P staple); and Sesas Elyaf San. A.S., Istanbul.

LOCATION OF U.S. MAN-MADE FIBER PRODUCT-PRODUCING PLANTS

STATES & AREA	CELLULOSIC	NONCELLULOSIC						TEXTILE GLASS	GRAND TOTAL
		ACRYL	NYLON	OLEFIN	POLYESTER	OTHER	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				2		1	3		3
RHODE ISLAND				2			2	1	3
VERMONT			1		1		2		2
TOTAL N.E.			**1**	**6**	**1**	**1**	**9**	**1**	**10**
MID-ATLANTIC									
DELAWARE			1		1		2		2
MARYLAND	1		1	1	1	1	4		5
NEW JERSEY				2			2		2
NEW YORK			2	4	1	1	8	1	9
PENNSYLVANIA	1			1	1	1	3	1	5
TOTAL MID-ATL.	**2**		**4**	**8**	**4**	**3**	**19**	**2**	**23**
PIEDMONT									
N. CAROLINA			3	10	9	1	23	2	25
S. CAROLINA	1	1	8	5	9		23	2	26
VIRGINIA	2	2	6	4	2	3	17		19
WEST VIRGINIA			1		2		3		3
TOTAL PIEDMONT	**3**	**3**	**18**	**19**	**22**	**4**	**66**	**4**	**73**
SOUTH									
ALABAMA	1	1	1	4	2		8		9
FLORIDA		1	1	2			4	1	5
GEORGIA			1	11			12		12
LOUISIANA				4			4		4
MISSISSIPPI				1			1		1
TENNESSEE	3	1	2	3	4		10	3	16
TEXAS				3			3	2	5
TOTAL SOUTH	**4**	**3**	**5**	**28**	**6**		**42**	**6**	**52**
MID-WEST & WEST									
CALIFORNIA				3			3	1	4
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
MISSOURI				1			1		1
OHIO				1			1	3	4
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL WEST			**1**	**11**			**12**	**4**	**16**
TOTAL # OF PLANTS	**9**	**6**	**29**	**72**	**33**	**8**	**148**	**17**	**174**
TOTAL # OF STATES	**6**	**5**	**13**	**27**	**11**	**6**	**30**	**10**	**30**

Cellulosic includes rayon, acetate & triacetate; Acryl means acrylic & modacrylic; Nylon includes aramid.

Other noncellulosic includes 1 fluorocarbon, 1 fluoropolymer, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyon.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982												7 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
CELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED	310.0106 & .0206	5	0	28	35	6	27	0						101	266
OTHER	310.0130 & .0230[a]	856	586	474	981	573	505	465						4440	6426
MONOFILAMENTS	309.0310 & .0610	0	2	0	0	0		0						2	3
STRIPS, $1 LB & UNDER	309.2000 *	0	0	0	0	0	2	4						6	5
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**	**534**	**469**						**4549**	**6700**
STAPLE	309.4320 & .4325	1510	409	1623	853	1219	240	1447						7301	8190
GROUPED FILAMENTS	309.3010 & .3110	176		168	97	191	86	150						868	1467
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**						**8169**	**9657**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0	197	0	38						299	221
NONCELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED NYLON	310.0109 & .0209	423	174	125	210	516	341	454						2243	2568
POLYESTER	310.0110 & .0210	231	43	7	3	33	1	55						373	229
OTHER	310.0114 & .0214	32	26	69	361	268	330	289						1375	255
OTHER NYLON	310.0149 & .0249	111	211	278	99	191	309	453						1652	2556
POLYESTER	310.0150 & .0250	551	691	368	441	403	296	199						2949	2486
OTHER	310.0170 & .0270[b]	164	81	140	162	147	309	122						1125	1056
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145	89	195	128						993	1751
STRIPS, OVER $1 LB	309.2100 & .2500 *	31	13	36	21	15	21	50						187	104
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**						**10897**	**11005**
STAPLE NYLON		392	209	400	316	84	276	1432						3109	15526
POLYESTER	309.4342	487	517	933	577	494	567	926						4501	2748
ACRYLIC	309.4345	526	474	962	607	369	324	575						3837	7077
OLEFIN	309.4346	1	30	1	33	30	27	7						129	860
OTHER	309.4355	899	292	581	653	1011	2145	725						6306	5680
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	460	530	345	565	884	266	362						3412	1174
POLYESTER	309.3040 & .3140	0	0	17	1	–	–	0						18	194
ACRYLIC	309.3050 & .3150	297	376	553	246	468	538	340						2818	1784
OTHER	309.3065 & .3165	196	53	34	38	144	31	97						593	1333
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**						**24723**	**36376**
WASTE, NOT ADVANCED NYLON	309.6625	1882	1647	1838	2315	2285	2581	1175						13723	13700
POLYESTER	309.6630	1398	775	1580	608	581	502	302						5746	9665
ACRYLIC	309.6645	0	184	9	59	294	195	86						827	1718
OTHER	309.6660	433	229	247	256	480	174	290						2109	1480
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0	0	0	1						21	29
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26	9	16	1	49						168	251
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**	**3453**	**1903**						**22594**	**26843**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**	**10289**	**10221**						**71231**	**90802**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN PLIED															
TEXTURED CELLULOSIC	310.1106	0	0	..	0	1	0	1						2	24
NONCELLULOSIC	310.1015[d] & .1107[e]	407	110	333	266	421	352	271						2160	1969
OTHER CELLULOSIC	310.1030 & .1135[f]		6	67	0	16	28	19						136	16
NONCELLULOSIC	310.1050 & .1070[g]	200	18	13	54	29	121	31						466	266
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	28	0	18	20	32	7	43						148	265
OTHER	310.4015 & .4027[i]	1570	1253	1374	1784	2288	1940	1674						11883	11768
OTHER YARNS NES, INCL. CHENILLE	310.6029 - .8000	205	89	190	229	367	393	246						1719	2540
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188	226	192	234	113						1322	1635
SLIVER, TOPS & ROVING	309.9000	434	309	201	115	79	133	338						1609	2233
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736	1033	1358	1281						8248	6898
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**	**14855**	**14238**						**98524**	**118416**

SOURCE: U.S.Census Bureau.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE (N) NYLON+ARAMID (P) POLYESTER (O) OLEFIN													
HOSIERY[b]	N	99.0	106.3	106.3	107.0	27.2	27.2	27.7	24.9	22.4	22.2		
OTHER CIRCULAR KNIT[c]	N	65.5	58.9	56.6	48.2	12.3	13.6	11.4	10.9	8.4	5.4		
	P	635.5	615.4	495.7	345.6	95.4	97.3	83.9	69.0	59.4	57.6		
	A	1.9	4.5	3.2	4.8	0.9	2.1	1.3	0.5	0.4	0.7		
FLAT KNIT	A	138.3	146.9	144.9	104.7	27.6	37.2	23.5	16.4	20.2	20.5		
	N	196.1	202.6	176.3	163.2	43.3	44.5	37.6	37.8	32.8	32.6		
	P	81.7	89.0	83.8	98.4	25.7	25.1	25.1	22.5	21.1	21.8		
CARPET FACE	N	677.8	732.5	714.5	633.6	184.0	186.9	146.6	116.1	123.6	141.4		
	O	78.9	85.3	89.5	89.5	21.5	22.7	22.0	23.3	23.4	22.1		
CARPET BACKING[d]	O	213.7	220.7	197.8	195.3	52.7	49.9	48.0	44.7	45.7	45.6		
OTHER BROAD WOVEN[e]	A	125.9	129.2	110.5	104.7	22.8	27.7	29.6	24.6	22.3	23.3		
	N	95.0	102.7	94.3	89.2	22.0	21.9	21.6	23.7	21.5	20.8		
	P	411.5	387.2	405.5	440.2	100.8	138.4	115.6	85.4	78.4	88.5		
	O	158.7	171.4	186.3	200.7	50.3	50.3	51.5	48.6	42.8	44.6		
NARROW WOVEN[f]	A	7.0	5.9	8.7	8.5	1.5	2.2	2.2	2.6	0.9	0.7		
	N	40.6	37.2	31.4	34.0	9.1	7.1	9.2	8.6	8.2	7.8		
	P	29.1	30.5	28.1	28.1	6.4	7.5	7.3	6.9	5.4	8.3		
	O	11.1	11.8	12.3	12.6	3.2	3.2	3.1	3.1	2.8	3.0		
TIRES, INCL. CHAFER	N	267.6	285.3	209.2	204.7	51.5	52.7	52.6	47.9	37.6	38.5		
	P	253.4	227.4	161.0	174.8	43.3	44.1	46.6	40.8	43.7	44.1		
OTHER RUBBER INDUSTRY[g]	N	25.7	28.7	22.3	25.7	7.2	6.4	5.5	6.6	6.6	5.2		
	P	32.0	35.8	30.2	35.1	7.4	8.1	9.5	10.1	8.4	7.7		
ROPE, CORDAGE & FISHLINE	N	33.4	38.2	33.0	30.6	8.2	7.9	8.2	6.3	7.1	6.7		
	P	10.6	13.6	13.1	15.8	4.6	3.7	3.7	3.8	2.9	3.6		
	O	82.4	95.3	84.4	92.1	28.5	22.9	18.9	21.8	23.2	20.6		
ALL OTHER[h]	A	1.5	1.9	1.9	3.6	0.6	0.7	1.0	1.3	1.1	1.9		
	N	34.7	38.9	95.0	68.1	15.7	17.9	20.0	14.5	13.4	15.9		
	P	53.8	126.2	146.0	292.0	70.5	68.3	73.1	80.1	77.9	60.9		
	O	34.9	39.7	41.4	38.1	8.1	9.6	11.5	8.9	8.9	9.1		
TOTAL DOMESTIC ABOVE	A	274.6	288.4	269.2	226.3	53.4	69.9	57.6	45.4	44.9	47.1		
	N	1539.1	1631.3	1538.9	1404.3	380.5	386.1	340.4	297.3	281.6	296.5		
	P	1507.6	1525.1	1363.4	1430.0	354.1	392.5	364.8	318.6	297.2	292.5		
	O	579.7	624.2	611.7	628.3	164.3	158.6	155.0	150.4	146.8	145.0		
TOTAL DOMESTIC ABOVE		**3901.0**	**4069.0**	**3783.2**	**3688.9**	**952.3**	**1007.1**	**917.8**	**811.7**	**770.5**	**781.1**		
ALSO DIVIDED AS													
APPAREL		1671.2	1604.5	1530.4	1533.6	388.4	437.9	378.5	328.8	303.9	285.6		
HOME FURNISHINGS		1171.9	1274.6	1212.7	1128.7	308.6	313.3	273.3	233.5	237.7	257.4		
INDUSTRIAL		1057.9	1189.9	1040.1	1026.6	255.3	255.9	266.0	249.4	228.9	238.1		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		1.3	+	0	0	0	0	0	0	0	0		
NYLON		161.6	166.8	167.4	159.6	40.9	42.3	39.7	36.7	30.9	29.7		
POLYESTER		1018.7	1015.3	942.0	991.3	248.3	277.5	251.0	214.5	198.1	189.1		
OLEFIN		52.3	46.5	40.9	33.5	9.7	8.9	8.4	6.5	7.6	7.3		

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE & TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1978	1979	1980	1981	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	241.8	238.8	275.7	255.6	63.2	70.6	67.2	54.6	54.7	62.6		
	NPR	15.0	21.3	11.5	8.9	2.2	1.9	2.3	2.5	2.0	2.2		
PILE FABRICS[b]	A	82.4	65.1	60.4	44.7	14.8	14.3	8.8	6.8	10.3	11.6		
	P	15.1	17.8	18.3	14.9	3.6	4.5	3.5	3.3	3.9	3.8		
OTHER CIRCULAR+FLAT KNIT[c]	R	10.8	11.7	9.8	10.9	2.7	3.3	2.6	2.3	2.0	1.8		
	A	93.1	98.8	125.0	91.6	24.0	26.2	23.3	18.1	24.4	33.0		
	P	223.7	278.1	296.3	300.7	77.7	78.7	78.2	66.1	70.9	72.2		
BLANKETS[b]	A	55.2	45.5	42.2	28.1	7.6	6.2	6.4	7.9	4.7	5.5		
	P	14.9	13.2	17.3	14.8	3.2	4.1	3.1	4.4	2.1	3.0		
OTHER BROAD WOVEN	R	245.9	233.2	201.6	224.7	56.5	58.2	57.6	52.4	38.2	34.4		
	N	52.6	59.2	53.0	52.4	12.4	14.2	13.2	12.6	11.6	14.9		
	A	28.6	42.1	42.3	33.0	10.0	8.5	7.1	7.4	5.7	7.9		
	P	1114.7	1171.0	1194.6	1107.0	269.9	290.8	284.2	262.1	232.2	222.3		
	O	10.6	17.0	17.3	17.1	5.0	5.7	2.9	3.5	3.7	6.0		
CARPET FACE YARNS	R	*	*	*	0.3	*	*	0.2	0.1	*	0.2		
	N	798.5	828.0	631.5	617.4	185.7	192.7	136.3	102.7	125.1	150.1		
	A	62.8	48.1			Included in All Other							
	P	200.8	192.4	119.9	124.0	27.0	37.6	29.2	30.2	24.6	32.0		
	O	46.0	64.7	61.6	67.5	16.1	17.7	17.3	16.4	17.0	21.5		
FIBERFILL[d]	P	198.2	239.6	205.1	226.7	57.1	54.0	59.0	56.6	49.0	53.4		
FLOCK	NP	8.2	10.7	10.8	13.0	3.8	4.2	2.7	2.3	2.1	2.8		
	R	4.7	5.1	5.1	5.6	0.8	1.3	2.3	1.2	0.7	0.9		
NONWOVENS[e,f]	R	166.2	160.3	147.3	124.6	32.6	34.9	29.3	27.8	32.0	25.3		
	N	4.1	3.8	3.2	3.5	1.1	1.0	0.8	0.6	1.1	0.8		
	P	98.5	153.6	166.6	149.3	36.1	37.8	35.8	39.6	35.0	38.8		
	VINYON+O	28.6	36.7	34.6	42.7	9.6	11.3	11.1	10.7	7.4	10.2		
ALL OTHER	R	29.5	30.9	26.2	29.1	7.1	6.5	8.4	7.1	4.5	6.8		
	N	11.1	10.8	12.2	10.3	2.3	3.8	2.2	2.0	1.8	2.1		
	A	7.7	8.2	39.7	41.1	10.6	11.2	10.7	8.6	8.3	7.3		
	P	80.7	49.3	42.6	60.6	16.4	16.8	12.7	14.7	18.0	18.1		
	VINYON+O	4.8	0.9	1.5	4.7	1.2	0.8	0.9	1.8	1.2	2.2		
TOTAL DOMESTIC ABOVE	R	459.2	442.4	390.7	396.9	100.2	104.5	100.7	91.5	77.6	69.8		
	N	876.4	913.2	711.2	696.4	204.8	215.9	155.4	120.3	141.9	170.8		
	A	571.6	546.6	585.3	494.1	130.2	137.0	123.5	103.4	108.1	127.9		
	P	1967.5	2134.4	2071.0	2005.4	493.2	525.9	507.5	478.8	437.3	445.3		
	VINYON+O	90.0	119.3	115.0	132.0	31.9	35.5	32.2	32.4	29.3	39.9		
TOTAL DOMESTIC ABOVE		**3964.7**	**4155.9**	**3873.2**	**3724.8**	**960.3**	**1018.8**	**919.3**	**826.4**	**794.2**	**853.7**		
ALSO DIVIDED AS													
APPAREL		1493.4	1548.6	1632.9	1487.5	366.0	397.9	386.8	336.8	328.5	344.0		
HOME FURNISHINGS		1714.8	1759.1	1478.0	1442.9	394.7	415.9	334.0	298.3	287.0	322.9		
INDUSTRIAL		756.5	848.2	762.3	794.4	199.6	205.0	198.5	191.3	178.7	186.8		

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**12.2**	**17.3**					**136.5**	**187.2**
NYLON[e] INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	23.5	21.9					218.1	274.9
LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	1.9	2.5					19.3	23.6
CARPET	40.3	43.3	46.0	46.1	51.2	48.3	42.6	60.2					378.0	505.9
TEXTILE	27.9	27.0	29.5	28.4	26.6	26.5	21.4	29.3					216.6	285.9
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	21.8	23.8					197.0	206.5
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	1.5	2.1					15.1	19.2
TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	61.2	73.6					632.3	850.1
OLEFIN[h]	50.1	50.4	51.0	49.3	48.9	50.1	49.5	50.2					399.5	441.2
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.5**	**259.7**	**263.7**	**223.4**	**263.6**					**2075.9**	**2607.3**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**25.2**	**28.9**					**231.7**	**310.1**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	51.4	68.3					440.7	551.1
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	47.6	58.5					430.0	484.3
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	122.3	163.0					1289.6	1742.0
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	11.6	12.5					94.5	90.1
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**239.9**	**302.3**					**2254.8**	**2867.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**12.3**	**11.7**					**11.7**	**13.7**
NYLON[e] INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	36.5	37.5					37.5	38.3
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6	4.5	4.6	4.2					4.2	3.8
CARPET	62.3	58.0	55.5	53.9	49.5	51.4	59.6	48.2					48.2	64.9
TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.4	40.5					40.5	44.5
POLYESTER INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1	27.8	28.1	28.6					28.6	22.7
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.5	2.6					2.6	3.3
TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	83.8	79.5					79.5	84.1
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3	63.1	61.5	60.2					60.2	62.2
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**307.8**	**320.0**	**301.3**					**301.3**	**323.8**
STAPLE+TOW+FIBERFILL														
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**37.8**	**38.9**					**38.9**	**25.7**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	64.1	55.1					55.1	71.8
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	66.0	61.3					61.3	64.2
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	181.7	162.4					162.4	177.4
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.6	21.7					21.7	17.9
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**333.4**	**300.5**					**300.5**	**331.3**

WOOL & COTTON CONSUMPTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
APPAREL CLASS WOOL	11.9	10.9	13.3	10.8	10.3	10.7							67.9	75.4
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0	0.6							5.0	4.9
TOTAL RAW WOOL	12.6	11.8	14.3	11.6	11.3	11.3							72.9	80.3
RAW COTTON	207.2	198.6	228.7	217.3	217.2	200.1	170.1						1439.2	1606.3

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.